LDPE

[1]	Matmake, "Low Density Polyethylene (LDPE) Properties." [Online]. Available: https://matmake.com/materials-data/low-density-polyethylene-properties.html. [Accessed: May 6, 2026].
[2]	Laird Plastics, "LDPE Material Properties." [Online]. Available: https://www.lairdplastics.com/resources/ldpe. [Accessed: May 6, 2026].
[3]	Yaroschem, "Low Density Polyethylene (LDPE)." [Online]. Available: https://www.yaroschem.com/acf-product/low-density-polyethylene-ldpe/. [Accessed: May 6, 2026].
[4]	Patsnap Eureka, "LDPE Structure and Processing." [Online]. Available: https://eureka.patsnap.com/materials/ldpe-structure-processing. [Accessed: May 6, 2026].
[5]	Piedmont Plastics, "LDPE Material Data Sheet." [Online]. Available: https://www.piedmontplastics.com/products/ldpe. [Accessed: May 6, 2026].
[6]	Market Reports World, "Plastic Market Report," 2024. https://www.marketreportsworld.com/market-reports/plastic-market-14724007
[7]	Market Growth Reports, "Plastic Materials Market," 2024. https://www.marketgrowthreports.com/market-reports/plastic-materials-market-114471
[8]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[9]	[4] Gitnux, "Polymers Industry Statistics," 2023. https://gitnux.org/polymers-industry-statistics/
[10]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[11]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[12]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[13]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

HDPE

[1]	Market Reports World, "Plastic Market Report," 2024. https://www.marketreportsworld.com/market-reports/plastic-market-14724007
[2]	Market Growth Reports, "Plastic Materials Market," 2024. https://www.marketgrowthreports.com/market-reports/plastic-materials-market-114471

[3]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[4]	Gitnux, "Polymers Industry Statistics," 2023. https://gitnux.org/polymers-industry-statistics/
[5]	S. M. Al-Salem, P. Lettieri, and J. Baeyens, "Recycling and recovery routes of plastic solid waste (PSW): A review," Waste Management, vol. 29, no. 10, pp. 2625–2643, 2011. https://www.sciencedirect.com/science/article/abs/pii/S0956053X09001781
[6]	Kern GmbH, "Technisches Datenblatt Polyethylen PE-HD," 2024. https://www.kern.de/de/technisches-datenblatt/polyethylen-pe-hd?n=1411_1
[7]	PatSnap, "HDPE Properties and Processing," 2024. https://eureka.patsnap.com/materials/hdpe-properties-processing
[8]	Laird Plastics, "HDPE Guide: Properties, Uses & Applications," 2025. https://lairdplastics.com/resources/hdpe-guide-properties-uses-applications-2025-update/
[9]	K-Mac Plastics, "HDPE Technical Data," 2024. https://k-mac-plastics.com/data-sheets/hdpe.htm
[10]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[11]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[12]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[13]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PP

[1]	Braskem S.A., "Polyolefins Technical Data Sheet," 2020. https://www.braskem.com.br/Portal/Principal/Arquivos/ModuloHTML/Documentos/1176/Polyolefins_America_AF.pdf
[2]	EuroExtrusions, "Polypropylene Technical Data," o. J. https://www.euroextrusions.com/polypropylene/
[3]	PertaChem, "Polypropylene Material Data," o. J. https://pertachem.com/polypropylene
[4]	Kern GmbH, "Technisches Datenblatt PP-H," o. J. https://www.kern.de/de/technisches-datenblatt/polypropylen-pp-h
[5]	Complex Plastics, "Polypropylene Data Sheet," o. J.

	https://www.complexplastics.com/POLYPROPYLENE/PolyProData.HTM
[6]	Wikipedia, "Polypropylene," 2024. https://en.wikipedia.org/wiki/Polypropylene
[7]	MFG Solution, "Polypropylene Properties," o. J. https://mfg-solution.com/polypropylene-pp/
[8]	Market Reports World, "Plastic Market Report," 2024. https://www.marketreportsworld.com/market-reports/plastic-market-14724007
[9]	Market Growth Reports, "Plastic Materials Market," 2024. https://www.marketgrowthreports.com/market-reports/plastic-materials-market-114471
[10]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[11]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[12]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[13]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[14]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PS

[1]	Formary GmbH, "Polystyrol (PS) Materialdaten". Verfügbar unter: ttps://www.formary.de/materialien/ps
[2]	Wanplas, "Polystyrene (PS) Material Properties". Verfügbar unter: https://www.wanplas.com/de/industry-knowledge/plastic-materials/polystyrene-ps/
[3]	Emico Kunststoffe, "Materialdatenblatt Polystyrol (PS)". Verfügbar unter: https://www.emico.com/download-file/PS_Materialdatenblatt_emico_Deutsch_19.pdf
[4]	Wikipedia,"Polystyrene". Verfügbar unter: https://en.wikipedia.org/wiki/Polystyrene
[5]	Chemie.de,"Polystyrol". Verfügbar unter: https://www.chemie.de/lexikon/Polystyrol.html
[6]	Huan et al., "Polymer Melt Flow Index Studies", PMC (wissenschaftliche Publikation). Verfügbar unter: https://pmc.ncbi.nlm.nih.gov/articles/PMC5455546/
[7]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[8]	[4] Gitnux, "Polymers Industry Statistics," 2023. https://gitnux.org/polymers-industry-statistics/

[9]	Industry Sources (IHS Markit, PlasticsEurope), compiled market estimates.
[10]	PolymerBroker (2024). Average Polymer Prices Europe. https://polymerbroker.com/market-av-price
[11]	PlasticPortal (2024). Current Polymer Prices Europe. https://www.plasticportal.eu/polymer-prices

HIPS

[1]	[1] Dow Chemical Company, "STYRON™ 438 High Impact Polystyrene Technical Data Sheet." [Online]. Available: https://corporate.dow.com/...
[2]	[2] INEOS Styrolution, "HIPS 6351 Technical Data Sheet." [Online]. Available: https://www.santplas.com/...
[3]	Southland Polymers, "IRPC HI830 Data Sheet," 2022. [Online]. Available: https://www.southlandpolymers.com/...
[4]	Sirius Plastics, "HIPS Data Sheet." [Online]. Available: https://www.siriusplastics.com/...
[5]	MHP Industries, "High Impact Polystyrene Technical Data." [Online]. Available: https://www.mhp-uk.com/...
[6]	British Plastics Federation, "HIPS Material Information." [Online].
[7]	Plastock, "HIPS Technical Information." [Online].
[8]	Shobeir Shimi, "High Impact Polystyrene." [Online].
[9]	Eureka Patsnap, "HIPS Molecular Structure." [Online].
[10]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[11]	[4] Gitnux, "Polymers Industry Statistics," 2023. https://gitnux.org/polymers-industry-statistics/
[12]	Industry Sources (IHS Markit, PlasticsEurope), compiled market estimates.
[13]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[14]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[15]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[16]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PVC

[1]	W. D. Callister and D. G. Rethwisch, Materials Science and Engineering: An Introduction, 10th ed. Hoboken, NJ, USA: Wiley, 2019.
[2]	D. Braun, Kunststoffhandbuch Band 2: Polyvinylchlorid. München, Deutschland: Hanser Verlag, 2006.
[3]	ASTM International, "ASTM D1238 – Melt Flow Rates of Thermoplastics," 2019. [Online]. Available: https://www.astm.org/d1238
[4]	MatWeb, "Material Property Data: PVC," [Online]. Available: https://www.matweb.com
[5]	Kern GmbH, "Technisches Datenblatt PVC-U," [Online]. Available: https://www.kern.de
[6]	Market Growth Reports, "Plastic Materials Market," 2024. https://www.marketgrowthreports.com/market-reports/plastic-materials-market-114471
[7]	Maximize Market Research, "Global Plastic Market," 2024. https://www.maximizemarketresearch.com/market-report/global-plastic-market/100495/
[8]	Gitnux, "Polymers Industry Statistics," 2023. https://gitnux.org/polymers-industry-statistics/
[9]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[10]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[11]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[12]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PBT

[1]	[1] NETZSCH, "Polybutylene Terephthalate (PBT) – Material Data Sheet," online verfügbar: https://polymers.netzsch.com/materials/details/26
[2]	[2] LookPolymers, "Overview of Materials for Polybutylene Terephthalate (PBT)," online verfügbar: https://www.lookpolymers.com/polymer_Overview-of-materials-for-Polybutylene-Terephthalate-PBT-PTFE-Filled.php
[3]	[3] SpecialChem, "Polybutylene Terephthalate (PBT) Plastic Guide," online verfügbar: https://www.specialchem.com/plastics/guide/polybutylene-terephthalate-pbt-plastic
[4]	[4] AKRO-Plastic, "Precite P3-8 Schwarz 8191 – Technical Datasheet," online verfügbar: https://akro-plastic.com/de/product/precite-p3-8-schwarz-8191-de

[5]	[5] Erwin Telle GmbH, "Polybutylene terephthalate (PBT)," online verfügbar: https://telle.de/en/production-products/plastics/material-range/product/polybutylene-terephthalate-pbt
[6]	[6] Universität Bayreuth, "Polybutylenterephthalat (PBT)," online verfügbar: https://www.material.uni-bayreuth.de/de/2-materialwelt-der-polymere/1-thermoplaste/04-polybutylenterephthalat/index.html
[7]	[6] GlobeNewswire, "Engineering Plastics Market Report," 2024.
[8]	[7] Industry Sources (IHS Markit, PlasticsEurope), compiled market estimates.
[9]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[10]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/
[11]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[12]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PMMA

[1]	BenchChem. (2025). Poly(methyl methacrylate) Material Data. Abgerufen am 08. Mai 2026 von https://www.benchchem.com/product/b3431434
[2]	S-POLYTEC GmbH. (2025). Technical Data Sheet – Acrylic Sheets (PMMA, transparent). Abgerufen am 08. Mai 2026 von https://www.s-polytec.com/media/attachment/file/d/a/data_sheet_pmma_sheets.pdf
[3]	Think3D. (2025). PMMA (Polymethyl Methacrylate) Material Properties. Abgerufen am 08. Mai 2026 von https://www.think3d.in/pmma-polymethyl-methacrylate/
[4]	EngineerCalculator. (2025). PMMA Polymer Plastic Various Properties and Overview. Abgerufen am 08. Mai 2026 von https://www.engineercalculator.com/polymer-plastic-properties-and-overview/pmma-polymer-plastic-various-properties-and-overview/
[5]	National Center for Biotechnology Information. (2024). PMMA Material Review. Abgerufen am 08. Mai 2026 von https://pmc.ncbi.nlm.nih.gov/articles/PMC10857151/
[6]	[6] GlobeNewswire, "Engineering Plastics Market Report," 2024.
[7]	[7] Industry Sources (IHS Markit, PlasticsEurope), compiled market estimates.
[8]	PlasticPortal.eu, "Polymer prices in Europe (Plastixx & myCEPPI index data)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[9]	PlasticPortal.eu, "Historical polymer price development (monthly data)," 2026. [Online]. Available: https://www.plasticportal.eu/en/polymer-prices/lm/14/

[10]	PlasticPortal.eu, "Weekly polymer price report (Week 52, 2025)," 2025. [Online]. Available: https://www.plasticportal.eu/price-reports/2025/52
[11]	PlasticPortal.cz, "Ceny polymerů ve střední Evropě (Polymer prices in Central Europe)," 2026. [Online]. Available: https://www.plasticportal.cz/ceny-polymeru

PVDF

[1]	NETZSCH-Gerätebau GmbH, "PVDF: Polyvinylidene fluoride," NETZSCH Polymers Database. [Online]. Available: https://polymers.netzsch.com/Materials/Details/35. [Accessed: 08-May-2026].
[2]	SpecialChem, "Comprehensive Guide on Polyvinylidene Fluoride (PVDF)," OMNexus Material Selection Platform. [Online]. Available: https://omnexus.specialchem.com/selection-guide/polyvinylidene-fluoride-pvdf-plastic. [Accessed: 08-May-2026].
[3]	NETZSCH Analyzing & Testing, "PVDF: Polyvinylidene fluoride." [Online]. Available: https://analyzing-testing.netzsch.com/en/polymers-netzsch-com/high-temperature-resistant-thermoplastics/pvdf-polyvinylidene-fluoride. [Accessed: 08-May-2026].
[4]	J. Martín et al., "Solid-state-processing of d-PVDF," arXiv, 2017. [Online]. Available: https://arxiv.org/abs/1706.08068. [Accessed: 08-May-2026].
[5]	H. B. Su, A. Strachan, and W. A. Goddard III, "Density Functional Theory and Molecular Dynamics Studies on Energetics and Kinetics for Electro-Active Polymers: PVDF and P(VDF-TrFE)," arXiv, 2004. [Online]. Available: https://arxiv.org/abs/cond-mat/0408156. [Accessed: 08-May-2026].
[6]	Market Growth Reports, "Polyvinylidene Fluoride (PVDF) Market," 2026.
[7]	24MarketReports, "Global PVDF Market Analysis," 2026.
[8]	Research and Markets, "PVDF Global Market Overview," 2026.
[9]	Steel of Fabrica (2024). PVDF Material Price Trends. https://www.steelofabrica.com/pvdf-material-price/
[10]	Emergen Research (2024).Polyvinylidene Fluoride Market Report. https://www.emergenresearch.com/industry-report/polyvinylidene-fluoride-market

EPS

[1]	Chemie.de, "Polystyrol." Verfügbar unter: https://www.chemie.de/lexikon/ polystyrol.html
[2]	Wikipedia, "Polystyrene." Verfügbar unter: https://en.wikipedia.org/ wiki/Polystyrene
[3]	Wanplas, "Polystyrene (PS) Material Information." Verfügbar unter: https://www.wanplas.com/industry-knowledge/plastic-materials/polystyrene-ps/
[4]	TotalEnergies Polymers, "Technical Datasheet – Polystyrene." Verfügbar unter: https://polymers.totalenergies.com/sites/g/files/wompnd5016/files/site_collection_documents/Technical%20Datasheets/8260-EU-EN.pdf

[5]	Polymer Database – Melt Flow Index of GPPS Materials.
[6]	Polymer Engineering Literature on General Purpose Polystyrene (GPPS).
[7]	Bianca Högel, "Werkstoffdaten Polystyrol." Verfügbar unter: https://www.biancahoegel.de/material/werkstoffe/kunst/polystyrol.html
[8]	EPSole, "Expanded Polystyrene Density." Verfügbar unter: https://epsole.com/expanded-polystyrene-density/
[9]	Schlaadt GmbH, "Styropor / airpop Eigenschaften." Verfügbar unter: https://www.schlaadt.de/materialien/styropor-airpop/
[10]	EPSole, "Closed Cell Expanded Polystyrene." Verfügbar unter: https://epsole.com/closed-cell-expanded-polystyrene/
[11]	SpecialChem, "Expanded Polystyrene (EPS) Foam Insulation." Verfügbar unter: https://www.specialchem.com/plastics/guide/expanded-polystyrene-eps-foam-insulation
[12]	IXL Co. Ltd., "Expanded Polystyrene Properties." Verfügbar unter: https://www.ixl.co.th/en/products/ixl-insulated-panel/eps-expanded-polystyrene/
[13]	ScienceDirect Topics, "Polystyrene." Verfügbar unter: https://www.sciencedirect.com/topics/materials-science/polystyrene
[14]	Polymer Impact Property Literature for EPS Materials.
[15]	Landsurvival Archive, "Polystyrene Material Data." Verfügbar unter: https://landsurvival.com/notepad/schools-wikipedia/wp/p/Polystyrene.htm
[16]	Industry Reports. (2025). Extruded Polystyrene Market.
[17]	Allied Market Research. (2024). XPS Market Analysis.
[18]	MarketsandMarkets. (2025). Foam Insulation Market.
[19]	PolymerBroker (2024). Average Polymer Prices Europe. https://polymerbroker.com/market-av-price
[20]	PlasticPortal (2024). Current Polymer Prices Europe. https://www.plasticportal.eu/polymer-prices

PLMA

[1]	ChemicalBook – Poly(lauryl methacrylate) Properties: https://m.chemicalbook.com/ProductChemicalPropertiesCB6357609_EN.htm
[2]	ChemicalBook – POLY(LAURYL METHACRYLATE): https://www.chemicalbook.com/ChemicalProductProperty_EN_CB6357609.htm
[3]	National Institute of Standards and Technology (NIST) – Poly(lauryl methacrylate): https://webbook.nist.gov/cgi/cbook.cgi?ID=25719-52-2

[4]	M. A. Villar et al., "Synthesis of lauryl methacrylate and poly(ethylene glycol) methyl ether methacrylate copolymers with tunable microstructure and emulsifying properties," European Polymer Journal, vol. 116, pp. 117–125, 2019. DOI: 10.1016/j.eurpolymj.2019.04.010 https://www.sciencedirect.com/science/article/pii/S0014305719300461
[5]	National Center for Biotechnology Information (NCBI) – PubChem Lauryl Methacrylate: https://pubchem.ncbi.nlm.nih.gov/compound/Lauryl-Methacrylate
[6]	Polymer Database. (2024). Methacrylate Polymers Overview.
[7]	Sigma-Aldrich Pricing Data. (2025).
[8]	Specialty Polymer Market Reports. (2025).
[9]	PolymerBroker (2024). Engineering & Specialty Polymer Pricing Benchmarks. https://polymerbroker.com
[10]	ResearchGate (verschiedene Publikationen). Preis- und Materialanalysen für Spezialpolymere. https://www.researchgate.net

PMP

[1]	Mitsui Chemicals America, Inc. (n.d.). TPX™ Polymethylpentene technical data. Abgerufen am 12. Mai 2026 von TPX Technical Data
[2]	Sigma-Aldrich. (n.d.). Poly(4-methyl-1-pentene) product information and material data. Abgerufen am 12. Mai 2026 von Sigma-Aldrich PMP Data
[3]	MakeItFrom. (n.d.). Polymethylpentene (PMP) material properties. Abgerufen am 12. Mai 2026 von MakeItFrom PMP Properties
[4]	Biomaterials USA. (n.d.). PMP RT18 material specifications. Abgerufen am 12. Mai 2026 von Biomaterials USA PMP RT18
[5]	Royal Society of Chemistry. (2016). Processing and characterization of polymethylpentene materials. RSC Advances. Abgerufen am 12. Mai 2026 von RSC Advances PMP Study
[6]	Elsevier. (2024). Poly(4-methyl-1-pentene) membrane processing study. ScienceDirect. Abgerufen am 12. Mai 2026 von ScienceDirect PMP Processing Study
[7]	MDPI. (2025). Applications of polymethylpentene membranes in biomedical systems. International Journal of Molecular Sciences, 26(2), 600. Abgerufen am 12. Mai 2026 von MDPI PMP Biomedical Applications
[8]	Mitsui Chemicals. (2024). TPX Market Data.
[9]	Polymerupdate. (2025). PMP Pricing.
[10]	Industry Experts. (2024). Polyolefin Specialty Markets.
[11]	PolymerBroker (2024). Engineering & Specialty Polymer Pricing Benchmarks. https://polymerbroker.com

[12]	ResearchGate (verschiedene Publikationen). Preis- und Materialanalysen für Spezialpolymere. https://www.researchgate.net

PCL

[1]	W. Ryu, L. Xiang, T. Jeon, and M. Ree, "Melt density, equilibrium melting temperature, and crystallization characteristics of highly pure cyclic poly(ε-caprolactone)s," Polymer, vol. 207, p. 122899, 2020. doi: 10.1016/j.polymer.2020.122899.
[2]	C. Baptista et al., "The effect of temperature and pressure on polycaprolactone morphology," Polymer, vol. 191, p. 122227, 2020. doi: 10.1016/j.polymer.2020.122227.
[3]	C. B. B. Luna, D. D. Siqueira, E. S. B. Ferreira, E. M. Araújo, and R. M. R. Wellen, "Effect of injection parameters on the thermal, mechanical and thermomechanical properties of polycaprolactone (PCL)," Journal of Elastomers & Plastics, vol. 53, no. 8, 2021. doi: 10.1177/00952443211015345.
[4]	M. P. Motloung, T. G. Mofokeng, and S. S. Ray, "Viscoelastic, thermal, and mechanical properties of melt-processed poly (ε-caprolactone) (PCL)/hydroxyapatite composites," Materials, vol. 15, no. 1, p. 104, 2022. doi: 10.3390/ma15010104.
[5]	"Polycaprolactone (PCL) Material Properties," MakeItFrom. [Online]. Available: https://www.makeitfrom.com/material-properties/Polycaprolactone-PCL
[6]	T. Aoyama et al., "Development of a new poly-ε-caprolactone with low melting point for creating a thermoset mask used in radiation therapy," Scientific Reports, vol. 11, p. 20409, 2021. doi: 10.1038/s41598-021-00005-2.
[7]	Grand View Research. (2025). PCL Market Size.
[8]	MarketsandMarkets. (2024). Biodegradable Polymers.
[9]	Research and Markets. (2025). PCL Industry Report.
[10]	Fortune Business Insights (2024). Polycaprolactone Market Size, Share & Industry Analysis. https://www.fortunebusinessinsights.com/polycaprolactone-market-111535
[11]	Persistence Market Research (2024). Polycaprolactone Market: Global Industry Analysis. https://www.persistencemarketresearch.com/market-research/polycaprolactone-market.asp
[12]	ResearchGate (2018). Polycaprolactone – New insight into classic material. https://www.researchgate.net/publication/326153407

ABS

[1]	ACS Omega Cao, C.-T., & Cao, C. (2022). General Equation to Express Changes in the Physicochemical Properties of Organic Homologues. ACS Omega, 7(30), 26670–26679. https://doi.org/10.1021/acsomega.2c02828
[2]	AZoM – ABS High Impact Davey, R. (2001). Acrylonitrile Butadiene Styrene – ABS High Impact. AZoM Materials. https://www.azom.com/article.aspx?ArticleID=360

[3]	AZoM – ABS Medium Impact Davey, R. (2001). Acrylonitrile Butadiene Styrene – ABS Medium Impact. AZoM Materials. https://www.azom.com/article.aspx?ArticleID=358
[4]	AZoM – ABS High Impact High Heat Davey, R. (2001). Acrylonitrile Butadiene Styrene – ABS High Impact High Heat. AZoM Materials. https://www.azom.com/article.aspx?ArticleID=362
[5]	AZoM – ABS UV Stabilised Davey, R. (2001). Acrylonitrile Butadiene Styrene – ABS High Impact UV Stabilised. AZoM Materials. https://www.azom.com/article.aspx?ArticleID=361
[6]	AZoM – ABS Low Gloss Davey, R. (2001). Acrylonitrile Butadiene Styrene – ABS Low Gloss. AZoM Materials. https://www.azom.com/article.aspx?ArticleID=366
[7]	ScienceDirect – ABS Overview Elsevier. (o. J.). Acrylonitrile Butadiene Styrene. ScienceDirect Topics. Abgerufen am 11. Mai 2026.
[8]	Mordor Intelligence. (2025). ABS Market Report.
[9]	Prismane Consulting. (2024). ABS Market Analysis.
[10]	Industry Reports. (2025).
[11]	4. PolymerBroker (2024). Average Polymer Prices Europe. https://polymerbroker.com/market-av-price
[12]	5. PlasticPortal (2024). Current Polymer Prices Europe. https://www.plasticportal.eu/polymer-prices

PA6

[1]	[1] KERN GmbH, "Polyamide 6 (PA6) – Technical Datasheet," 2025. [Online]. Available: KERN PA6 Datasheet
[2]	[2] Poliblend, "PA6 Standard Viscosity Technical Datasheet," 2020. [Online]. Available: Poliblend PA6 Datasheet
[3]	[3] Clarwe, "Nylon PA6 Material Properties," 2026. [Online]. Available: Clarwe Nylon PA6
[4]	[4] GammaDot, "Polyamide 6 Datasheet," 2025. [Online]. Available: GammaDot PA6 Datasheet
[5]	[5] Abbott Plastics, "Nylon Material Properties," 2026. [Online]. Available: Abbott Plastics Nylon Data
[6]	[6] CNCLab, "PA6 Polyamide/Nylon Datasheet," 2022. [Online]. Available: CNCLab PA6 Datasheet
[7]	[7] H. Ito et al., "Comparative Study on Polyamide 6 Toughness using Multiple Melt-Kneading Techniques," Juniper Publishers, 2019.
[8]	[8] MatWeb LLC, "Polyamide (Nylon) Electrical Properties," Zugriff 2026.
[9]	[9] Omnexus, "Electrical Conductivity of Polyamide Materials," Zugriff 2026.
[10]	[10] Kunststofftechnik-Lehrmaterialien zu Engineering Plastics/Konstruktionskunststoffen.
[11]	Market Growth Reports. (2026). PA6 Market. (Marktwachstumsberichte)
[12]	Market Growth Reports. (2026). PA6/PA66 Market. (Marktwachstumsberichte)

[13]	Industry Experts. (2023). Polyamide Market. (industry-experts.com)
[14]	PolymerBroker (2024). Average Polymer Prices Europe. https://polymerbroker.com/market-av-price
[15]	PlasticPortal (2024). Current Polymer Prices Europe. https://www.plasticportal.eu/polymer-prices

PA66

[1]	[1] BASF SE, "Ultramid® Polyamide 66 – Technical Data Sheet," 2025. https://www.basf.com
[2]	[2] DuPont, "Zytel® Nylon Resin Product Guide," 2025. https://www.dupont.com/products/zytel.html
[3]	[3] LANXESS AG, "Durethan® Polyamide 66 Datasheet," 2025. https://lanxess.com
[4]	[4] MatWeb LLC, "Nylon 66 (PA66) Material Property Data," 2026. https://www.matweb.com
[5]	[5] AZoM, "Polyamide 66 Material Properties," 2024. https://www.azom.com
[6]	[6] Ensinger GmbH, "Engineering Plastics PA66 Datasheet," 2025. https://www.ensingerplastics.com
[7]	Prismane Consulting. (2025). PA66 Demand. (Prismane Consulting)
[8]	Market Growth Reports. (2026). (Marktwachstumsberichte)
[9]	Market Growth Reports. (2026). (Marktwachstumsberichte)
[10]	PolymerBroker (2024). Average Polymer Prices Europe. https://polymerbroker.com/market-av-price
[11]	PlasticPortal (2024). Current Polymer Prices Europe. https://www.plasticportal.eu/polymer-prices

POM

[1]	Delrin® 500P / 500CPE Product Data Sheet (DuPont/Delrin) Delrin, "Delrin® 500P / 500CPE Product Data Sheet," 2025. Zugriff: 12. Mai 2026.
[2]	HOSTAFORM® C13021 Technical Data Sheet (Celanese) Celanese, "HOSTAFORM® C13021 Technical Data Sheet," 2018. Zugriff: 12. Mai 2026.
[3]	Ultraform® N2320 Processing Data Sheet (BASF) BASF SE, "Ultraform® N2320 Processing Data Sheet," 2025. Zugriff: 12. Mai 2026.
[4]	Polymer Handbook J. Brandrup, E. H. Immergut und E. A. Grulke, Polymer Handbook, 4th ed. Hoboken, NJ, USA: Wiley-Interscience, 1999.
[5]	Macromolecules H.-G. Elias, Macromolecules: Structure and Properties. New York, USA: Springer, 2003.
[6]	BASF SE. (2023). Ultraform Product Information. https://plastics-rubber.basf.com

[7]	Grand View Research. (2024). Polyoxymethylene Market. https://www.grandviewresearch.com
[8]	Fortune BI. (2024). POM Market Report. https://www.fortunebusinessinsights.com
[9]	[1] PlasticPortal, "Polymer prices (Plastixx Europe index)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[10]	[2] PolymerBroker, "Average polymer prices in Europe," 2025. [Online]. Available: https://polymerbroker.com/market-av-price
[11]	[3] Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg

PPS

[1]	DIC Corporation, "PPS Technical Data Sheet," DIC Global, 2023. [Online]. Available: https://www.dic-global.com/pdf/products/catalog/dic_pps_property_en.pdf
[2]	NETZSCH Analyzing & Testing, "High Temperature Resistant Thermoplastics – PPS Polyphenylene Sulfide," 2024. [Online]. Available: https://analyzing-testing.netzsch.com/en/polymers-netzsch-com/high-temperature-resistant-thermoplastics/pps-polyphenylenesulfide
[3]	Mitsubishi Chemical Advanced Materials (MCAM), "Polyphenylene Sulfide (PPS)," 2024. [Online]. Available: https://www.mcam.com/en/products/pps
[4]	Sinochem Nanjing Corporation, "Polyphenylene Sulfide MP-EF1810 Product Specification," 2023. [Online]. Available: https://www.sinochem-nanjing.com/products/new-materials/polyphenylene-sulfide-mpef1810.html
[5]	MDPI, "Membranes, vol. 12, no. 10, art. 924," 2022. [Online]. Available: https://www.mdpi.com/2077-0375/12/10/924
[6]	K-Mac Plastics, "PPS Technical Properties," 2023. [Online]. Available: https://k-mac-plastics.net/data/technical/pps.htm
[7]	Elsevier, "Polyphenylene Sulfide Melt Flow and Processing Study," Composites Science and Technology, 2016. [Online]. Available: https://www.sciencedirect.com/science/article/abs/pii/S026635381630553X
[8]	SpecialChem, "Polyphenylene Sulfide (PPS) Plastic Guide," 2024. [Online]. Available: https://www.specialchem.com/plastics/guide/polyphenylene-sulfide-pps-plastic-guide
[9]	PubMed Central (PMC), "Applications and Properties of PPS Materials," 2023. [Online]. Available: https://pmc.ncbi.nlm.nih.gov/articles/PMC10420672/
[10]	MakeItFrom, "Polyphenylene Sulfide (PPS) Material Properties," 2024. [Online]. Available: https://www.makeitfrom.com/material-properties/Polyphenylene-Sulfide-PPS/
[11]	BASF SE. (2023). Ultradur PBT. https://plastics-rubber.basf.com
[12]	Grand View Research. (2024). PBT Market. https://www.grandviewresearch.com

[13]	MarketsandMarkets. (2024). PBT Market Report. https://www.marketsandmarkets.com
[14]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg
[15]	Alibaba, "PPS plastic price per kg," 2025. [Online]. Available: https://www.alibaba.com/showroom/pps-plastic-price-per-kg.html

PES

[1]	MakeItFrom, "Polyethersulfone (PES) Material Properties." [Online]. Available: https://www.makeitfrom.com/material-properties/Polyethersulfone-PES. [Accessed: 13-May-2026].
[2]	NETZSCH, "Polyethersulfone (PES) Thermal Properties." [Online]. Available: https://polymers.netzsch.com/materials/Details/42. [Accessed: 13-May-2026].
[3]	Material-Properties.org, "Polyethersulfone (PES)." [Online]. Available: https://material-properties.org/polyethersulfone-pes/. [Accessed: 13-May-2026].
[4]	MatWeb, "Polyethersulfone Material Data." [Online]. Available: https://www.matweb.com/search/datasheettext.aspx?matguid=6be926d8eb0842abbfb80b5658ade95a. [Accessed: 13-May-2026].
[5]	AZoM, "Polyethersulfone (PES) Properties and Applications." [Online]. Available: https://www.azom.com/article.aspx?ArticleID=1953. [Accessed: 13-May-2026].
[6]	KMAC Plastics, "PES Technical Data." [Online]. Available: https://kmac-plastics.net/data/technical/pes.htm. [Accessed: 13-May-2026].
[7]	DEMGY, "PES Material Directory." [Online]. Available: https://www.demgy.com/en/datacomp/materials-directory/pes. [Accessed: 13-May-2026].
[8]	Eureka Patsnap, "Industrial Grade PES Analysis." [Online]. Available: https://eureka.patsnap.com/materials/industrial-grade-pes-analysis. [Accessed: 13-May-2026].
[9]	Eureka Patsnap, "Low Viscosity PES Processing." [Online]. Available: https://eureka.patsnap.com/materials/low-viscosity-pes- processing. [Accessed: 13-May-2026].
[10]	iPlast, "PES Polyethersulfone Applications." [Online]. Available: https://www.iplast.se/en/plastic-material/pes-polyethersulfone/. [Accessed: 13-May-2026].
[11]	SABIC ULTEM™ PEI Resin 2023 [Online]. Available: https://www.sabic.com.
[12]	Solvay, Radel PPSU / Veradel PES Materials, 2023. [Online]. Available: https://www.solvay.com.
[14]	ICIS, Engineering Plastics Market Analysis, 2024. [Online]. Available: https://www.icis.com.
[15]	ResearchAndMarkets, High Performance Polymers Market, 2024. [Online]. Available: https://www.researchandmarkets.com

[16]	PolymerBroker, "Average polymer prices in Europe," 2025. [Online]. Available: https://polymerbroker.com/market-av-price
[17]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg
[18]	Alibaba, "PPSU price per kg," 2025. [Online]. Available: https://www.alibaba.com/showroom/ppsu-price-per-kg.html

PEI

[1]	Online Metals, "Ultem (Polyetherimide) Product Guide," 2026. [Online]. Verfügbar: Online Metals – Ultem Product Guide. [Zugriff: 13-Mai-2026].
[2]	Abbott Plastics, "Typical Properties of Ultem®," 2026. [Online]. Verfügbar: Abbott Plastics – Ultem Properties. [Zugriff: 13-Mai-2026].
[3]	Dielectric Manufacturing, "Ultem® Polyetherimide Material Properties," 2026. [Online]. Verfügbar: Dielectric Manufacturing – Ultem Material Properties. [Zugriff: 13-Mai-2026].
[4]	Curbell Plastics, "Ultem® PEI Plastic Material Properties & Uses," 2026. [Online]. Verfügbar: Curbell Plastics – Ultem Properties. [Zugriff: 13-Mai-2026].
[5]	AON3D, "ULTEM™ 9085 (PEI) Material Datasheet," 2026. [Online]. Verfügbar: AON3D – ULTEM 9085. [Zugriff: 13-Mai-2026].
[6]	High Precision Plastics Inc., "Ultem Material Data Sheet," 2026. [Online]. Verfügbar: HPPI – Ultem Machining Data. [Zugriff: 13-Mai-2026].
[7]	Wikipedia, "Polyetherimide," 2026. [Online]. Verfügbar: Wikipedia – Polyetherimide. [Zugriff: 13-Mai-2026].
[8]	PolymerBroker, "Average polymer prices in Europe," 2025. [Online]. Available: https://polymerbroker.com/market-av-price
[9]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg
[10]	Alibaba, "PPSU price per kg," 2025. [Online]. Available: https://www.alibaba.com/showroom/ppsu-price-per-kg.html
[11]	SABIC ULTEM™ PEI Resin 2023 [Online]. Available: https://www.sabic.com.
[12]	Solvay, Radel PPSU / Veradel PES Materials, 2023. [Online]. Available: https://www.solvay.com.
[13]	ICIS, Engineering Plastics Market Analysis, 2024. [Online]. Available: https://www.icis.com.
[14]	ResearchAndMarkets, High Performance Polymers Market, 2024. [Online]. Available: https://www.researchandmarkets.com
[15]	Syensqo, Torlon PAI, 2023. [Online]. Available: https://www.syensqo.com

PPSU

[1]	MatWeb, "Polyphenylsulfone (PPSU) Material Data Sheet." [Online]. Available: https://www.matweb.com/search/datasheettext.aspx?matguid=801427233e964766bcc21712fba42302. [Accessed: May 13, 2026].
[2]	Ensinger GmbH, "TECASON P PPSU Material Properties." [Online]. Available: https://www.ensingerplastics.com/en/shapes/materials/tecason-p-ppsu. [Accessed: May 13, 2026].
[3]	Kimya, "PPSU Technical Data Sheet," 2021. [Online]. Available: https://docs.rs-online.com/629c/A700000009257876.pdf. [Accessed: May 13, 2026].
[4]	IEMAI3D, "PPSU Technical Data Sheet," 2020. [Online]. Available: https://www.iemai3d.com/wp-content/uploads/2020/12/PPSU_TDS.pdf. [Accessed: May 13, 2026].
[5]	Lauens CNC, "PPSU Polyphenylsulfone Material Overview." [Online]. Available: https://www.lauenscnc.com/injection-molding-materials/ppsu-polyphenylsulfone/. [Accessed: May 13, 2026].
[6]	"Polyphenylsulfone," Wikipedia, The Free Encyclopedia. [Online]. Available: https://en.wikipedia.org/wiki/Polyphenylsulfone. [Accessed: May 13, 2026].
[7]	"Polysulfone," Wikipedia, The Free Encyclopedia. [Online]. Available: https://en.wikipedia.org/wiki/Polysulfone. [Accessed: May 13, 2026].
[8]	SABIC ULTEM™ PEI Resin 2023 [Online]. Available: https://www.sabic.com.
[9]	Solvay, Radel PPSU / Veradel PES Materials, 2023. [Online]. Available: https://www.solvay.com.
[10]	ICIS, Engineering Plastics Market Analysis, 2024. [Online]. Available: https://www.icis.com.
[11]	ResearchAndMarkets, High Performance Polymers Market, 2024. [Online]. Available: https://www.researchandmarkets.com
[12]	Syensqo, Torlon PAI, 2023. [Online]. Available: https://www.syensqo.com
[13]	Alibaba, "PPSU price per kg," 2025. [Online]. Available: https://www.alibaba.com/showroom/ppsu-price-per-kg.html
[14]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg

PAI

[1]	[1] S. Kim et al., "Transparent polyamide-imide films with high thermal stability and mechanical performance," Polymer, vol. 203, p. 122760, 2020.
[2]	[2] Y. Zhang et al., "Synthesis and characterization of polyamide-imides with high Tg and low CTE derived from isomeric amide-containing diamines," 2022.
[3]	[3] H. Li et al., "Polyamide-imide materials with enhanced thermomechanical properties," RSC Advances, vol. 8, pp. 11710–11718, 2018.
[4]	SABIC ULTEM™ PEI Resin 2023 [Online]. Available: https://www.sabic.com.

[5]	Solvay, Radel PPSU / Veradel PES Materials, 2023. [Online]. Available: https://www.solvay.com.
[6]	ICIS, Engineering Plastics Market Analysis, 2024. [Online]. Available: https://www.icis.com.
[7]	ResearchAndMarkets, High Performance Polymers Market, 2024. [Online]. Available: https://www.researchandmarkets.com
[8]	Syensqo, Torlon PAI, 2023. [Online]. Available: https://www.syensqo.com
[9]	PolymerBroker, "Average polymer prices in Europe," 2025. [Online]. Available: https://polymerbroker.com/market-av-price
[10]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg
[11]	Alibaba, "PPSU price per kg," 2025. [Online]. Available: https://www.alibaba.com/showroom/ppsu-price-per-kg.html

PC

[1]	"Polycarbonate," Wikipedia. [Online]. Available: https://en.wikipedia.org/wiki/Polycarbonate
[2]	"Study on melt flow behavior of polycarbonate materials," ScienceDirect. [Online]. Available: https://www.sciencedirect.com/science/article/abs/pii/S0032386125011607
[3]	KERN GmbH, "Technisches Datenblatt Polycarbonat (PC)," [Online]. Available: https://www.kern.de/de/technisches-datenblatt/polycarbonat-pc?n=2301_1
[4]	Technische Kunststoffe 24, "Polycarbonat – Technisches Datenblatt," [Online]. Available: https://technischekunststoffe24.de/downloads/datenblaetter/PC.pdf
[5]	Plastock Ltd., "Polycarbonate Technical Information," [Online]. Available: https://www.plastock.co.uk/pages/polycarbonate
[6]	Möller Industrietechnik GmbH, "Werkstoffdatenblatt Polycarbonat," [Online]. Available: https://www.moeller-industrietechnik.de/files/Inhalte/Sortiment%20Leistung/ Werkstoffe/Industriekunststoffe/Datenblatt-Kunststoffe-PC.pdf
[7]	Covestro AG. (2023). Polycarbonate Market Overview. https://www.covestro.com
[8]	Grand View Research. (2024). Polycarbonate Market. https://www.grandviewresearch.com
[9]	MarketsandMarkets. (2024). Polycarbonate Market Report. https://www.marketsandmarkets.com
[10]	PlasticPortal, "Polymer prices (Plastixx Europe index)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices
[11]	PolymerBroker, "Average polymer prices in Europe," 2025. [Online]. Available: https://polymerbroker.com/market-av-price
[12]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg

PPA

[1]	G. Bernier, L. Mazenq und G. Vigier, "Mechanical properties of amorphous and semi-crystalline semi-aromatic polyamides," Heliyon, vol. 6, no. 4, e03857, 2020.
[2]	MakeItFrom, "Polyphthalamide (PPA) material properties," 2020. [Online]. Verfügbar: https://www.makeitfrom.com/material-properties/Polyphthalamide-PPA/
[3]	Plastic Parts USA, "Technical material data – PPA," 2024. [Online]. Verfügbar: https://www.plasticpartsusa.com/resources/technical-material-data/
[4]	N. G. McCrum, C. P. Buckley und C. B. Bucknall, Principles of Polymer Engineering. Oxford: Oxford University Press, 1997.
[5]	Market Research Future, "Polyphthalamide market report," 2024.
[6]	Grand View Research, "Polyphthalamide market size and trends," 2024.
[7]	IndustryARC, "Polyphthalamide market analysis," 2024.
[8]	UL Prospector, "Engineering plastics material database," 2024.
[9]	Ensinger GmbH, "High performance plastics overview," 2024.

PET

[1]	MatWeb LLC, "Polyethylene Terephthalate (PET) Material Data," MatWeb Material Property Database. [Online]. Available: https://www.matweb.com
[2]	Wikipedia Contributors, "Polyethylene terephthalate," Wikipedia, The Free Encyclopedia. [Online]. Available: https://en.wikipedia.org/wiki/Polyethylene_terephthalate
[3]	SpecialChem, "Polyethylene Terephthalate (PET) Plastic Guide." [Online]. Available: https://www.specialchem.com/plastics/guide/polyethylene-terephthalate-pet-plastic
[4]	B. Brandrup, E. H. Immergut, and E. A. Grulke, Polymer Handbook, 4th ed. New York, NY, USA: Wiley, 1999.
[5]	[5] ISO 1133-1:2022, Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics.
[6]	PlasticsEurope. (2023). Plastics – the Facts 2023. https://plasticseurope.org
[7]	Statista. (2024). Global PET production volume. https://www.statista.com
[8]	Grand View Research. (2024). PET Market Size Report. https://www.grandviewresearch.com/industry-analysis/polyethylene-terephthalate-market
[9]	PlasticPortal, "Polymer prices (Plastixx Europe index)," 2026. [Online]. Available: https://www.plasticportal.eu/polymer-prices

[10]	Accio, "Plastic resin price per kg: Global market overview," 2025. [Online]. Available: https://www.accio.com/plp/plastic-resin-price-per-kg

PTFE

[1]	A. Ebnesajjad, Fluoroplastics, Volume 2: Melt Processible Fluoropolymers. Oxford, UK: William Andrew Publishing, 2015.
[2]	AZoM, "PTFE Properties," Available: https://www.azom.com/article.aspx?ArticleID=804
[3]	Tef Cap Industries, "PTFE Properties Fluoropolymer Tubing," Available: https://tefcap.com/ptfe-properties-fluoropolymer-tubing/
[4]	Heta Kunststofftechnik, "PTFE Material Properties," Available: https://hetaglass.com/ptef-properties.php
[5]	PTFE Machinery, "PTFE Properties," Available: https://ptfe-machinery.com/ptfe-properties/
[6]	Abbott Plastics, "PTFE / Teflon Material Data," Available: https://www.abbottplastics.com/materials/ptfe-teflon/
[7]	PlasticsEurope, "Fluoropolymers and High-Performance Plastics," Available: https://plasticseurope.org/
[8]	Grand View Research. Polytetrafluoroethylene Market Size Report, 2024–2030.
[9]	Grand View Research. PTFE Market Growth Press Release, 2024.
[10]	Grand View Research. Fluorinated Polymers Market Report, 2025–2033.
[11]	IMARC Group, "Polytetrafluoroethylene Pricing Report," 2025. Verfügbar unter: https://www.imarcgroup.com/polytetrafluoroethylene-pricing-report
[12]	Intratec Solutions, "PTFE Prices and Cost Analysis," 2025. Verfügbar unter: https://www.intratec.us/solutions/primary-commodity-prices/commodity/ptfe-prices
[13]	Business Analytiq, "PTFE Price Index," 2025.Verfügbar unter: https://businessanalytiq.com/procurementanalytics/index/polytetrafluoroethylene-ptfe-price-index/

PEKK

[1]	ACS Publications, "Poly(aryl ether ketone) Materials and Processing," Available: https://pubs.acs.org/doi/10.1021/acsapm.2c00096
[2]	ACS Publications, "Crystallization and Morphology of PEKK," Available: https://pubs.acs.org/doi/10.1021/acsapm.0c01380
[3]	National Center for Biotechnology Information (NCBI), "PEKK in Dental Applications," Available:

	https://pmc.ncbi.nlm.nih.gov/articles/PMC7770505/
[4]	ScienceDirect, "Additive Manufacturing of PEKK," Available: https://www.sciencedirect.com/science/article/abs/pii/S221486042030912X
[5]	ScienceDirect, "Structure–Property Relationships of PEKK," Available: https://www.sciencedirect.com/science/article/pii/S1359835X22001804
[6]	PubMed, "PEKK Biomaterial Study," Available: https://pubmed.ncbi.nlm.nih.gov/40782598/
[7]	PubMed, "Amorphous and Semi-Crystalline PEKK," Available: https://pubmed.ncbi.nlm.nih.gov/40284334/
[8]	ScienceDirect, "High-Temperature Additive Manufacturing of PEKK," Available: https://www.sciencedirect.com/science/article/pii/S0264127525003582
[9]	MarketsandMarkets, "High Performance Plastics Market Report," 2024.
[10]	Grand View Research, "Engineering Plastics Market Analysis," 2024.
[11]	PlasticsEurope, "Engineering Plastics – Market Data & Cost Structures," 2023.
[12]	MarketsandMarkets – PEEK Market Report
[13]	Fortune Business Insights – High-performance polymers
[14]	Research and Markets – Specialty Polymers Reports

PEAK

[1]	Y. Zhang et al., "Poly(aryl-ether-ketone)s (PAEKs) and Their Applications," Polymers, vol. 15, no. 19, p. 3943, 2023. doi:10.3390/polym15193943.
[2]	N. Sharma et al., "A Sneak Peek into the Biocompatibility of Polyetheretherketone (PEEK)," Materials, vol. 15, no. 23, p. 8424, 2022. doi:10.3390/ma15238424.
[3]	S. Berretta et al., "Rheological Behavior of Polyetheretherketone (PEEK) in Additive Manufacturing," Polymers, vol. 11, no. 12, p. 2097, 2019. doi:10.3390/polym11122097.
[4]	A. M. Díez-Pascual, "Development of Electrically Conductive Poly(ether ether ketone) Nanocomposites," Polymers, vol. 10, no. 8, p. 925, 2018. doi:10.3390/polym10080925.
[5]	"High-Performance Thermoplastics and PAEK Applications," Composites Part B: Engineering, Elsevier, 2023.
[6]	Direct Plastics, "PEEK Technical Data Sheet." [Online]. Available: https://www.directplastics.co.uk/pdf/datasheets/PEEK%20Data%20Sheet.pdf
[7]	Xometry Europe, "PEEK Material Data Sheet," 2020. [Online]. Available: https://xometry.eu/wp-content/uploads/2020/09/datasheet-PEEK.pdf

[8]	Tuntun Plastic, "PEEK Technical Data Sheet." [Online]. Available: https://www.tuntunplastic.com/uploads/file/peek-technical-data-sheet.pdf
[9]	MarketsandMarkets, "High Performance Plastics Market Report," 2024.
[10]	Grand View Research, "Engineering Plastics Market Analysis," 2024.
[11]	PlasticsEurope, "Engineering Plastics – Market Data & Cost Structures," 2023.
[12]	MarketsandMarkets – PEEK Market Report
[13]	Fortune Business Insights – High-performance polymers
[14]	Research and Markets – Specialty Polymers Reports

PI

[1]	M. Miyauchi, K. Kazama, T. Sawaguchi, and R. Yokota, "Dynamic tensile properties of a novel Kapton-type asymmetric polyimide derived from 2-phenyl-4,4′-diaminodiphenyl ether," Polymer Journal, vol. 43, pp. 866–868, 2011, doi: 10.1038/pj.2011.67.
[2]	S. Zhang, S. Mori, M. Sakane, T. Nagasawa, and K. Kobayashi, "Tensile Properties and Viscoelastic Model of a Polyimide Film," Journal of Solid Mechanics and Materials Engineering, vol. 6, no. 6, pp. 668–677, 2012, doi: 10.1299/jmmp.6.668.
[3]	C. I. Croall and T. L. St. Clair, "The Mechanical Properties of Polyimide Films after Exposure to High pH," High Performance Polymers, vol. 8, no. 3, 1992, doi: 10.1177/875608799200800303.
[4]	K. P. Pramoda et al., "High performance polymer films 4. Mechanical behavior," European Polymer Journal, vol. 38, no. 3, pp. 537–543, 2002, doi: 10.1016/S0014-3057(01)00169-0.
[5]	A. Schweickart et al., "Low temperature fast-neutron and gamma irradiation of Kapton® polyimide films," Journal of Nuclear Materials, vol. 245, no. 2–3, pp. 185–190, 1997, doi: 10.1016/S0022-3115(97)00012-3.
[6]	Grand View Research. Polyimide Market Size Report, 2026–2033.
[7]	Grand View Research. Thermoplastic Polyimides Market Report, 2025–2033.
[8]	IMARC Group, "Polyimide Pricing Report," 2025. Verfügbar unter: https://www.imarcgroup.com/polyimide-pricing-report
[9]	MarketsandMarkets, "Polyimide Market Analysis," 2024.
[10]	Grand View Research, "Polyimide Market Size & Trends," 2024.

PSU

[1]	Dielectric Manufacturing, "PSU Polysulfone Material Properties." [Online]. Available: https://dielectricmfg.com/resources/knowledge-base/psu-polysulfone/
[2]	Kern GmbH, "Technisches Datenblatt Polysulfon (PSU)." [Online]. Available: https://www.kern.de/de/technisches-datenblatt/polysulfon-psu

[3]	MakeItFrom, "Polysulfone (PSU) Material Properties." [Online]. Available: https://www.makeitfrom.com/material-properties/Polysulfone-PSU
[4]	Matmake, "Polysulfone Properties." [Online]. Available: https://matmake.com/materials-data/polysulfone-properties.html
[5]	MatWeb, "Polysulfone Material Data Sheet." [Online]. Available: https://www.matweb.com/search/DataSheet.aspx?MatGUID=83fc0624f2ea4bb4aa54293621471312
[6]	ScienceDirect, "Polysulfone – an overview." [Online]. Available: https://www.sciencedirect.com/topics/engineering/polysulfone
[7]	Wikipedia contributors, "Polysulfone," Wikipedia. [Online]. Available: https://de.wikipedia.org/wiki/Polysulfone
[8]	MarketsandMarkets – PEEK Market Report
[9]	Fortune Business Insights – High-performance polymers
[10]	Research and Markets – Specialty Polymers Reports
[11]	MarketsandMarkets, "High Performance Plastics Market Report," 2024.
[12]	Grand View Research, "Engineering Plastics Market Analysis," 2024.
[13]	PlasticsEurope, "Engineering Plastics – Market Data & Cost Structures," 2023.

PBI

[1]	MakeItFrom, "Polybenzimidazole (PBI) Material Properties." [Online]. Available: https://www.makeitfrom.com/material-properties/Polybenzimidazole-PBI/
[2]	PBI Advanced Materials, "Base Polymer PBI." [Online]. Available: https://www.pbi-am.com/en/base-polymers/pbi
[3]	MatWeb, "Polybenzimidazole (PBI) Datasheet." [Online]. Available: https://www.matweb.com/search/datasheet.aspx?matguid=938d31c764144f8c8b0c606761297899
[4]	AZoM, "Polybenzimidazole (PBI) High Performance Polymer." [Online]. Available: https://www.azom.com/article.aspx?ArticleID=1866
[5]	Wikipedia, "Polybenzimidazole." [Online]. Available: https://en.wikipedia.org/wiki/Polybenzimidazole
[6]	Y. Wang et al., "Polybenzimidazole-Based Membranes for High Temperature Proton Exchange Membrane Fuel Cells," Polymers, 2019. [Online]. Available: https://pmc.ncbi.nlm.nih.gov/articles/PMC6680558/
[7]	PBI Polymer Inc., "Celazole® PBI Applications." [Online]. Available: https://pbipolymer.com/celazole-pbi-products/u-series/
[8]	MarketsandMarkets – PEEK Market Report

[9]	Fortune Business Insights – High-performance polymers
[10]	Research and Markets – Specialty Polymers Reports
[11]	MarketsandMarkets, "High Performance Plastics Market Report," 2024.
[12]	Grand View Research, "Engineering Plastics Market Analysis," 2024.
[13]	PlasticsEurope, "Engineering Plastics – Market Data & Cost Structures," 2023.

PEEK

[1]	[1] V. K. Thakur and M. K. Thakur, "Polyetheretherketone (PEEK) and related high-performance polymers," in Handbook of Composites from Renewable Materials, Wiley, 2017. Verfügbar: ScienceDirect – Polyetheretherketon Übersicht
[2]	2] Elsevier B.V., "Polyetheretherketone – Chemistry and material properties," ScienceDirect Topics. Verfügbar: ScienceDirect – PEEK Chemie und Kennwerte
[3]	[3] Victrex plc, "VICTREX™ PEEK 450G Technical Data Sheet," Victrex. Verfügbar: Victrex PEEK 450G Datenblatt
[4]	[4] Ensinger GmbH, "TECACOMP® PEEK Material Data," Material Data Center. Verfügbar: Material Data Center – PEEK Datenblatt
[5]	[5] Scientific Spine, "PEEK Biomaterial Properties," Scientific Spine. Verfügbar: Scientific Spine – PEEK Eigenschaften
[6]	[6] Abbott Plastics, "PEEK Material Properties," Abbott Plastics. Verfügbar: Abbott Plastics – PEEK Daten
[7]	[7] Apex Eco Future, "PEEK Injection Molding Material Data," Apex Eco Future. Verfügbar: Apex Eco Future – PEEK MFI Datenblatt
[8]	8] Junhua PEEK Materials, "PEEK Material Processing Data," Junhua. Verfügbar: Junhua – PEEK MFI Übersicht
[9]	9] Mitsubishi Chemical Advanced Materials, "PEEK High Performance Polymer," MCAM. Verfügbar: MCAM – PEEK Hochleistungskunststoff
[10]	MarketsandMarkets, "High Performance Plastics Market Report," 2024.
[11]	Grand View Research, "Engineering Plastics Market Analysis," 2024.
[12]	PlasticsEurope, "Engineering Plastics – Market Data & Cost Structures," 2023.
[13]	MarketsandMarkets – PEEK Market Report
[14]	Fortune Business Insights – High-performance polymers
[15]	Research and Markets – Specialty Polymers Reports