



Top 30 Polymers: Shrinkage and Density

POLYMER	Shrinkage (%)	Density (g/cm ³)
ABS	0.4-0.8	1.04
Polypropylene (PP)	1.0-2.5	0.9
Polyethylene (PE)	1.5-4.0	0.95
Nylon (PA6)	0.7-1.5	1.14
Polycarbonate (PC)	0.5-0.7	1.2
POM (Acetal)	2.1-2.5	1.42
Polyetheretherketone (PEEK)	1.2-1.5	1.32
Polyethylene Terephthalate (PET)	1.9-2.4	1.37
Polystyrene (PS)	0.3-0.7	1.04
Polymethyl Methacrylate (PMMA)	0.2-0.8	1.18
Thermoplastic Polyurethane (TPU)	1.5-2.5	1.15
High-Density Polyethylene (HDPE)	1.5-2.5	0.95
Low-Density Polyethylene (LDPE)	2.0-3.0	0.92
Polyphenylene Sulfide (PPS)	0.2-0.4	1.35
Polyamide-imide (PAI)	0.2-0.4	1.42
Polyvinyl Chloride (PVC)	1.0-2.0	1.38
Polysulfone (PSU)	0.5-0.7	1.24
Liquid Crystal Polymer (LCP)	0.1-0.2	1.4
Polybutylene Terephthalate (PBT)	1.4-1.8	1.31
Polyketone (PK)	1.0-1.5	1.22
Polyphenylene Oxide (PPO)	0.5-0.8	1.06
Thermoplastic Elastomer (TPE)	1.0-2.5	1.1
Polycarbonate + ABS (PC-ABS)	0.4-0.7	1.2
Ethylene Vinyl Acetate (EVA)	1.5-2.5	0.93
Polyetherimide (PEI)	0.5-0.7	1.27
Nylon 12	1.5-2.0	1.01
Polyvinylidene Fluoride (PVDF)	0.1-0.4	1.78
Polyether Sulfone (PES)	0.5-0.7	1.37
Polyethylene Naphthalate (PEN)	0.5-0.7	1.32
Polyamide 11 (PA 11)	0.5-1.0	1.02