

PETG Material

Property	Test Method	Unit	Typical Values
Specific Gravity	ASTM D792	/	1.27
Mold Shrinkage (Parallel to Flow)	ASTM D955	%	0.2~0.5
Rockwell Hardness	ASTM D785	R-scale	105
Mechanical			
Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²)	50 (510)
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²)	26 (265)
Elongation @ Yield 50mm/min (2 inch/min)	ASTM D638	%	4.5
Elongation @ Break 50mm/min (2 inch/min)	ASTM D638	%	120
Flexural Strength 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²)	71 (720)
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²)	2150 (21900)
Izod Impact Strength, Notched @ 23 oC(73 oF)	ASTM D256	J/m	85
Thermal			
Heat Distortion Temperature			
@ 0.455 MPa(66 psi)	ASTM D648	°C (°F)	70 (158)
@ 1.820 MPa(66 psi)			62 (143)
Optical			
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	90

Note: These are typical properties only and are not to be construed as specifications.