

PETG

GENERAL	TEST	VALUE	UNIT
Density	ISO1183	1.27	g/cm ³
Water Absorption	ISO62	0.3	%
MECHANICAL			
Tensile Strength	ISO527-2	50	MPa
Elongation at Break	ISO527-2	54	%
Tensile Modulus	ISO527-2	2050	MPa
Flexural Strength	ISO178	70	MPa
Flexural Modulus	ISO178	2050	MPa
Charpy Impact Strength, Notched	ISO179-1	7	kJ/m ²
Izod Impact Strength, Notched	ISO180/1A	7	kJ/m ²
THERMAL			
Vicat Softening Temperature, B50, Annealed	ISO306	79	°C
Heat Distortion Temperature, 1.8MPa	ISO75	64	°C
Linear Thermal Expansion	DIN53752	7	/°K x 10 ⁻⁵
Continuous Service Temperature	-	55	°C
Maximum Short Term Temperature	-	55	°C
Degradation Temperature	-	> 250	°C
OPTICAL			
Light Transmission (3mm / 0.118")	DIN5036-3	87	%
Refractive Index	DIN5036-3	1.57	-