

Zeno XG PETG



Typical Properties*

Property	Test Method	Units	Values
PHYSICAL			
Density	ISO 1183-1:2019 Method A	g/cm ³	1.27
Water absorption	ISO 62:2008	%	0.3
Rockwell Hardness, L-scale	ASTM D 785	-	-
Rockwell Hardness, M-scale	ASTM D 785	-	-
Rockwell Hardness, R-scale	ASTM D785	108	-
MECHANICAL			
Tensile strength	ISO 527-2:2012	MPa	50
Tensile strain at break	ISO 527-2:2012	%	54
Tensile modulus	ISO 527-2:2012	MPa	2050
Flexural strength	ISO 178:2019 Method A,B	MPa	70
Flexural modulus	ISO 178:2019 Method A,B	MPa	2050
Charpy Impact Strength, Notched	ISO 179-1:2010	kJ/m ²	7
Izod Impact Strength, Notched	ISO 180:2000+Amd.2:2013	kJ/m ²	7
THERMAL			
Vicat softening point	ISO 306:2013	°F (°C)	79
Heat deflection temperature 1.82MPa	DIN53752	°F (°C)	64
Coefficient of linear thermal expansion	DIN53752	m/m.K x 10 ⁻⁵	7
Self ignition temperature	ASTM D 1929	°F (°C)	420
Flash ignition temperature	ASTM D 1929	°F (°C)	400
Glow wire ignition temperature (4.5 mm)	EC 60695-2-13:2010+A1:2014	°F (°C)	700
Burning behavior, vertical (3 mm)	UL 94-2013/ Rev.9-2018	°F (°C)	V-2
Burning behavior, horizontal (1.5 mm)	UL 94-2013/ Rev.9-2018	°F (°C)	HB
Continuous service temperature	-	°F (°C)	55
Short term service maximum temperature	-	°F (°C)	65
Moulding range	-	°F (°C)	80-140
ELECTRICAL			
Light transmission clear (3mm)	520nm	%	87
Light transmission grey (3mm)	520nm	%	-
Light transmission opal (3mm)	520nm	%	28
Refractive index	DIN5036-3	nD	1.57
Haze	ASTM D 1003	%	<1.0

*Typical properties are not intended for specification purposes.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.