



ZENO-XG - PETG

ZENO-XG PROPERTIES	VALUE	UNIT	TEST METHOD
--------------------	-------	------	-------------

GENERAL

Density	1.27	g/cm ³	ISO 1183-1:2019 Method A
Water Absorption	0.3	%	ISO 62:2008

MECHANICAL

Tensile Strength	50	MPa	ISO 527-2:2012
Tensile Strain at Break	54	%	ISO 527-2:2012
Tensile Modulus	2050	MPa	ISO 527-2:2012
Flexural Strength	70	MPa	ISO 178:2019 Method A,B
Flexural Modulus	2050	MPa	ISO 178:2019 Method A,B
Charpy Impact Strength, Notched	7	kJ/m ²	ISO 179-1:2010
Izod Impact Strength, Notched	7	kJ/m ²	ISO 180:2000+Amd.2:2013
Rockwell Hardness, L-scale	N/A		ASTM D785
Rockwell Hardness, M-scale	N/A		ASTM D785
Rockwell Hardness, R-scale	108		ASTM D785

THERMAL

Vicat Softening Temperature	79	°C	ISO 306:2013
Heat Deflection Temperature, 1.82MPa	64	°C	ISO 75-2:2013
Coefficient of Linear Thermal Expansion	7	m/m.K x 10 ⁻⁵	DIN53752
Self Ignition Temperature	420	°C	ASTM D 1929
Flash Ignition Temperature	400	°C	ASTM D 1929
Glow Wire Ignition Temperature (4.5mm)	700	°C	IEC 60695-2-13:2010+A1:2014
Burning Behaviour, Vertical (3 mm)	V-2		UL 94-2013/ Rev.9-2018 Section 8
Burning Behaviour, Horizontal (1.5 mm)	HB		UL 94-2013/ Rev.9-2018 Section 7
Continuous Service Temperature	55	°C	
Short Term Service Maximum Temperature	65	°C	
Moulding Range	80-140	°C	

OPTICAL

Light Transmission Clear (3 mm)	87	%	520nm
Light Transmission Grey (3mm)	N/A	%	520nm
Light Transmission Opal (3mm)	28	%	520nm
Refractive Index	1.57	n _D	DIN5036-3
Haze	<1.0	%	ASM D1003

Product Disclaimer: This information provides reliable and accurate data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. The EGR Group (Oakmoore Pty Ltd) assumes no liability for use of information presented herein.