

Generic Polyester Alloy - Glass\Inorganic

Polyester Alloy

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic Polyester Alloy - Glass\Inorganic
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass \inorganic		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	2.00 - 2.10	g/cm ³	ISO 1183
Apparent Density	0.75 - 0.88	g/cm ³	ISO 60
Molding Shrinkage (23°C)	0.025 - 0.56	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	50.0 - 65.0	MPa	ISO 527-2
Flexural Modulus (23°C)	13500 - 17100	MPa	ISO 178
Flexural Stress (23°C)	90.0 - 150	MPa	ISO 178
Compressive Stress (23°C)	173 - 175	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0 - 5.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	7.4 - 17	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	200 - 250	°C	ISO 75-2/B
1.8 MPa, not annealed	198 - 250	°C	ISO 75-2/A
8.0 MPa, not annealed	110 - 220	°C	ISO 75-2/C
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.5E+12 - 5.5E+14	ohms	IEC 60093
Volume Resistivity (23°C)	5.5E+13 - 6.0E+14	ohms·cm	IEC 60093
Dielectric Strength (23°C)	23	kV/mm	IEC 60243-1
Dissipation Factor (23°C)	0.015 - 0.050		IEC 60250
Comparative Tracking Index	550 - 600	V	IEC 60112
Injection	Nominal Value	Unit	
Processing (Melt) Temp	105 - 108	°C	
Mold Temperature	170 - 173	°C	
Injection instructions			

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