

Generic PARA

Polyarylamide

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PARA
This information is provided for comparative purposes only.

General Information			
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10700 to 23700	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	109 to 260	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	0.80 to 2.2	%	ISO 527-2
Flexural Modulus (23°C)	10900 to 21900	MPa	ISO 178
Flexural Stress (23°C)	181 to 415	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.1 to 17	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	14 to 83	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	230 to 233	°C	ISO 75-2/B
1.8 MPa, Unannealed	204 to 228	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	3.0E+3 to 8.0E+14	ohms	IEC 60093
Volume Resistivity (23°C)	2.0E+7 to 1.0E+15	ohms·cm	IEC 60093
Electric Strength (23°C)	20 to 28	kV/mm	IEC 60243-1
Relative Permittivity (23°C)	4.55		IEC 60250
Dissipation Factor (23°C)	0.011 to 0.022		IEC 60250
Comparative Tracking Index	250 to 600	V	IEC 60112

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