

Generic PEI - Proprietary

Polyether Imide

Generic

Message:

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

General Information			
Filler / Reinforcement	Proprietary packing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27 - 1.60	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 23°C	0.20 - 0.70	%	ASTM D955
Transverse flow: 23°C	0.39 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
23°C	2760 - 3700	MPa	ASTM D638
23°C	3190 - 3680	MPa	ISO 527-2
Tensile Strength			
Fracture, 23°C	88.9 - 216	MPa	ASTM D638
Fracture, 23°C	60.0 - 205	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	1.1 - 3.7	%	ASTM D638
Fracture, 23°C	0.70 - 11	%	ISO 527-2
Flexural Modulus			
23°C	2760 - 17600	MPa	ASTM D790
23°C	3120 - 17100	MPa	ISO 178
Flexural Stress (23°C)	72.0 - 284	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	37 - 54	J/m	ASTM D256
23°C	2.1 - 8.9	kJ/m ²	ISO 180
Unnotched Izod Impact			
23°C	340 - 1400	J/m	ASTM D256
23°C	18 - 90	kJ/m ²	ISO 180
Instrumented Dart Impact (23°C)	2.80 - 12.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, not annealed	163 - 214	°C	ASTM D648
1.8 MPa, not annealed	160 - 214	°C	ISO 75-2/A

Injection	Nominal Value	Unit
Drying Time	5.0	hr
Injection instructions		

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