

Product Description

50% Glass Fiber Reinforced, Polyphthalamide

General Considerations

Resin ID (ISO 1043)	· PPA
Filler / Reinforcement	· Glass Fiber, 50% Filler by Weight
Processing	· Injection Molding
Color	· Natural

Physical	Value	Unit	Method
Density / Specific Gravity	1,65	g/cm ³	ISO 1183/A

Mechanical	Value	Unit	Method
Tensile Stress	250	MPa	ISO 527-2
Tensile Modulus	19000	MPa	ISO 527-2
Tensile Strain at Break	2	%	ISO 527-2
Flexural Strength	360	MPa	ISO 178
Flexural Modulus	16000	MPa	ISO 178
Charpy Notched Impact Strength 23°C	12	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength 23°C	65	kJ/m ²	ISO 179

Thermal	Value	Unit	Method
Melting Point	310	°C	ISO 11357-3
Vicat Softening Temperature 10 N	313	°C	ISO 306
50 N	289		

Electrical	Value	Unit	Method
Volume Resistivity	10E15	ohm.cm	IEC 60093

Process	Value	Unit	Method
Molding Process Temperature	320 to 345	°C	--
Mold Temperature	135	°C	--
Drying	120/4	°C/Hours	--

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