

Domamid XS™ 5750R50H2

Polyamide 66 Alloy

Technical Polymers, LLC

Message:

PA66 Alloy, 50% Glass Fiber, Heat Stabilized

Processing Method: Injection Molding

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	18000	MPa	ISO 527-2
Tensile Stress (23°C)	250	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0 - 4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	235	°C	ISO 75-2/A
Melting Temperature (DSC)	260	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	ohms·cm	ISO 3915
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75 - 80	°C	
Processing (Melt) Temp	280 - 305	°C	
Mold Temperature	70 - 100	°C	

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Recommended distributors for this material

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