

Staramide RFM3353EM

Polyamide 66/6 Copolymer

Eurostar Engineering Plastics

Message:

Staramide* RFM3353EM is a Glass Fiber Reinforced , Mineral Filled, Polyamide 66 / Polyamide 6, Injection Molding Resin

General Information			
Filler / Reinforcement	Glass\Mineral		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage - Flow (4.00 mm)	0.20 to 0.50	%	Internal Method
Water Absorption			ISO 62
23°C, 24 hr	5.1	%	
Equilibrium, 23°C, 50% RH	1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	115	MPa	ISO 527-2
Tensile Strain (Break)	1.0 to 3.0	%	ISO 527-2/5
Flexural Modulus	8500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	5.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	35	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	250	°C	ASTM D648
CLTE - Flow (23 to 60°C)	3.1E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+13	ohms · cm	ASTM D257
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (1.50 mm)	750	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	265 to 275	°C	
Middle Temperature	270 to 280	°C	
Front Temperature	270 to 280	°C	

Processing (Melt) Temp	270 to 280	°C
Mold Temperature	60.0 to 100	°C
NOTE		
1.	80*10*4	
2.	80*10*4	

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