

DOMAMID® 6G50HCE

Polyamide 6

DOMO Engineering Plastics SPA

Message:

Polyamide 6, 50% glass fibre, for injection moulding.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 72 hr)	0.10 to 0.15	%	ISO 2577
Water Absorption (Saturation, 23°C)	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ISO 527-2/1
Tensile Stress (Break)	205	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	18	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	218 to 222	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 95.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			

1. 50% RH

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Recommended distributors for this material

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