

DOMAMID® 66G30

Polyamide 66

DOMO Engineering Plastics SPA

Message:

Polyamide 66, 30% glass fibre, for injection moulding.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 72 hr)	0.60 to 1.1	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/5
Yield	245	MPa	
Break	180	MPa	
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ²	8500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	11	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	50	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	255	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	°C	ISO 75-2/A
Vicat Softening Temperature	255	°C	ISO 306/B50
Melting Temperature	258 to 262	°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
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94
Glow Wire Flammability Index (1.00 to 3.00 mm)	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	

Drying Temperature	75.0 to 85.0	°C
Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	260 to 285	°C
Mold Temperature	80.0 to 120	°C
NOTE		
1.	50% RH	
2.	2.0 mm/min	

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