

DOMAMID® 66SNH

Polyamide 66

DOMO Engineering Plastics SPA

Message:

Polyamide 66, general purpose, heat stabilized, for injection moulding.

General Information			
Additive	Heat Stabilizer		
Features	General Purpose		
	Heat Stabilized		
Uses	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 72 hr)	1.4 to 1.6	%	ISO 2577
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress (Yield)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	2800	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Vicat Softening Temperature	250	°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)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	V-2		UL 94
Glow Wire Flammability Index (1.00 to 3.00 mm)	850	°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	40.0 to 80.0	°C

NOTE

1. 50% RH
2. 2.0 mm/min

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