

DOMAMID® 66G25V0P 1001

Polyamide 66

DOMO Engineering Plastics SPA

Message:

Polyamide 66, 25% glass fiber reinforced, red phosphorous flame retardant, for injection moulding.

General Information			
UL YellowCard	E170540-225459	E170540-101492181	
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm³	ISO 1183
Molding Shrinkage ¹			ISO 2577
Across Flow : 23°C, 72 hr	0.90 to 1.1	%	
Flow : 23°C, 72 hr	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2/1
Tensile Stress (Break)	145	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ²	7500	MPa	ISO 178
Flexural Stress ³	195	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	10	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	55	kJ/m²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	250	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	°C	ISO 75-2/A
Vicat Softening Temperature	245	°C	ISO 306/B50
Melting Temperature	263	°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)	575	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302

Flame Rating (0.800 mm)	V-0	UL 94
Glow Wire Flammability Index (1.00 to 3.00 mm)	960	°C IEC 60695-2-12
Glow Wire Ignition Temperature (1.00 to 3.00 mm)	775	°C IEC 60695-2-13
Injection	Nominal Value	Unit
Drying Temperature	75.0 to 85.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0 to 100	°C
NOTE		
1.	50% RH	
2.	2.0 mm/min	
3.	2.0 mm/min	

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