

DOMAMID® A1-113-V60-N

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, 60% glass fiber reinforced, natural

General Information			
Filler / Reinforcement	Glass Fiber,60% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.66	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	9.00	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	0.90	%	
Flow : 23°C, 72 hr	0.30	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	125	cm ³ /g	ISO 307
Ash Content (650°C)	60	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	235	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.2	%	ISO 527-2/1A/5
Flexural Stress ²	400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	85	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	215	°C	ISO 75-2/A
Melting Temperature	222	°C	ISO 11357-3
NOTE			
1.	50%RH, between 16 to 72 hrs		
2.	5.0 mm/min		

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