

DOMAMID® A1-125-V50-H2-DB

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, 50% glass fiber reinforced, high flow, heat stabilised, deep black

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Flow		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	30.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	1.0	%	
Flow : 23°C, 72 hr	0.40	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	125	cm ³ /g	ISO 307
Ash Content (650°C)	50	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	220	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	%	ISO 527-2/1A/20
Flexural Modulus ²	13400	MPa	ISO 178
Flexural Stress ³	350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	100	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	221	°C	ISO 11357-3
NOTE			
1.	50%RH, between 16 to 72 hrs		
2.	5.0 mm/min		
3.	5.0 mm/min		

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