

DOMAMID® A1-021-V15-H2-DB

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, medium viscosity, 15% glass fiber reinforced, heat stabilised, deep black

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Medium Viscosity		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	75.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	1.2	%	
Flow : 23°C, 72 hr	0.60	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	138	cm ³ /g	ISO 307
Ash Content (650°C)	15	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	120	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	%	ISO 527-2/1A/20
Flexural Modulus ²	4600	MPa	ISO 178
Flexural Stress ³	185	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	37	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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