

DOMAMID® A1-026-B20 V10-B

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, 20% glass bead & 10% glass fiber reinforced, black

General Information			
Filler / Reinforcement	Glass Bead,20% Filler by Weight		
	Glass Fiber,10% Filler by Weight		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	55.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	1.2	%	
Flow : 23°C, 72 hr	0.70	%	
Water Absorption ²			ISO 62
Saturation, 23°C	1.8	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	145	cm ³ /g	ISO 307
Ash Content (650°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5900	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	115	MPa	
Break	115	MPa	
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/20
Flexural Modulus ³	4800	MPa	ISO 178
Flexural Stress ⁴	185	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	215	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Melting Temperature	222	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+14	ohms	VDE 0303-3
Volume Resistivity	1.0E+15	ohms·cm	VDE 0303-3
NOTE			
1.	50%RH, between 16 to 72 hrs		
2.	24 hrs		
3.	5.0 mm/min		
4.	5.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT