

DOMAMID® A1-124-M20-V10-H2-DB

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, mineral/glass fibre (20/10) reinforced, heat stabilised, deep black

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	70.0	cm ³ /10min	ISO 1133
Viscosity Number (H2SO4 (Sulphuric Acid))	130	cm ³ /g	ISO 307
Ash Content (650°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	115	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	%	ISO 527-2/1A/20
Flexural Modulus ¹	7000	MPa	ISO 178
Flexural Stress ²	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	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	221	°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.	5.0 mm/min		
2.	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

