

DOMAMID® A1-005-V50-N

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, medium viscosity, 50% glass fiber reinforced, natural

General Information			
UL YellowCard	E329653-100458649		
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Features	Medium Viscosity		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	25.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	1.0	%	
Flow : 23°C, 72 hr	0.35	%	
Viscosity Number (H2SO4 (Sulphuric Acid))	145	cm ³ /g	ISO 307
Ash Content (650°C)	50	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17000	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	235	MPa	
Break	235	MPa	
Tensile Strain (Break)	2.8	%	ISO 527-2/1A/5
Flexural Modulus ²	12500	MPa	ISO 178
Flexural Stress ³	370	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)	110	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	221	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
NOTE			
1.	50%RH, between 16 to 72 hrs		
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

