

DOMAMID® 6G30ST

Polyamide 6

DOMO Engineering Plastics SPA

Message:

Polyamide 6, 30% glass fiber reinforced, impact modified, for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Impact Modifier		
Features		Impact Modified		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	35.0	--	cm ³ /10min	ISO 1133
Molding Shrinkage ¹				ISO 2577
Across Flow : 23°C, 72 hr	0.90 to 1.1	--	%	
Flow : 23°C, 72 hr	0.30 to 0.50	--	%	
Viscosity Number	145	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	5800	MPa	ISO 527-2/1
Tensile Stress (Break)	160	105	MPa	ISO 527-2/5
Tensile Strain (Break)	4.0	6.5	%	ISO 527-2/5
Flexural Modulus ²	8300	5200	MPa	ISO 178
Flexural Stress ³	250	150	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	18	35	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	95	110	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength (23°C)	17	32	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	85	100	kJ/m ²	ISO 180/1U
Thermal	Dry	Conditioned	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
Vicat Softening Temperature	210	--	°C	ISO 306/B50
Melting Temperature	222	--	°C	ISO 11357-3

Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	--	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	500	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	< 100	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	75.0 to 95.0		°C	
Drying Time	2.0 to 4.0		hr	
Processing (Melt) Temp	240 to 270		°C	
Mold Temperature	90.0 to 120		°C	
NOTE				
1.	50% RH			
2.	2.0 mm/min			
3.	2.0 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

