

SCANAMID 66 A12^ F25

Polyamide 66

Polykemi AB

Message:

Glass fibre reinforced

General Information				
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.40	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	155	130	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	6.0	%	ISO 527-2
Flexural Modulus (23°C)	8000	5500	MPa	ISO 178
Flexural Stress	220	155	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	--	8.0	kJ/m ²	
23°C	8.0	11	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-20°C	--	25	kJ/m ²	
23°C	30	40	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	--	°C	ISO 75-2/A
Vicat Softening Temperature	> 230	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	--	°C	IEC 60695-2-13
NOTE				
1.	120°C/hr			

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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

