

SCANAMID 66 A12^ F30

Polyamide 66

Polykemi AB

Message:

Glass fibre reinforced

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	175	135	MPa	ISO 527-2
Tensile Strain (Yield)	3.0	5.0	%	ISO 527-2
Flexural Modulus (23°C)	9000	6100	MPa	ISO 178
Flexural Stress	245	160	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	--	10	kJ/m ²	
23°C	10	13	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-20°C	--	38	kJ/m ²	
23°C	47 kJ/m ²	No Break		
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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