

SCANAMID 6 B12^ F30 AS

Polyamide 6

Polykemi AB

Message:

Glass fibre-reinforced

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.90	--	%	
Flow	0.30	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	--	127	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	--	9.5	%	
Break	--	10	%	
Flexural Modulus (23°C)	--	7100	MPa	ISO 178
Flexural Stress	--	190	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	9.0	--	kJ/m ²	
23°C	14	16	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-20°C	--	No Break		
23°C	--	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	213	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	198	--	°C	ISO 75-2/A
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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