

SCANAMID 6 B12^ F45

Polyamide 6

Polykemi AB

Message:

Glass fibre-reinforced

General Information				
Filler / Reinforcement		Glass Fiber,45% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.51	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80	--	%	
Flow	0.20	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	200	150	MPa	ISO 527-2
Flexural Modulus (23°C)	12800	8000	MPa	ISO 178
Flexural Stress	280	200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	--	10	kJ/m ²	
23°C	11	15	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
-20°C	--	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	215	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	--	°C	ISO 75-2/A
Vicat Softening Temperature	> 200	--	°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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