

SCANAMID 66 A12^ F50

Polyamide 66

Polykemi AB

Message:

Glass fibre-reinforced

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.56	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.80	--	%	
Flow	0.30	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	83	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	210	175	MPa	ISO 527-2
Tensile Strain (Yield)	2.0	2.5	%	ISO 527-2
Flexural Modulus (23°C)	14200	9400	MPa	ISO 178
Flexural Stress	290	225	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	12	--	kJ/m ²	
23°C	14	16	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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