

SCANAMID 6 B12^FC

Polyamide 6

Polykemi AB

Message:

SCANAMID 6 B12^FC is a Polyamide 6 (Nylon 6) product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1	--	%	
Flow	1.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	77	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	80.0	60.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	4.0	25	%	
Break	35	> 50	%	
Flexural Modulus (23°C)	2800	1600	MPa	ISO 178
Flexural Stress	110	50.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	5.0	--	kJ/m ²	
23°C	5.0	18	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	185	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94
Glow Wire Ignition Temperature (2.00 mm)	750	--	°C	IEC 60695-2-13
NOTE				
1.	120°C/hr			

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