

SCANAMID 66 A12^FC

Polyamide 66

Polykemi AB

Message:

SCANAMID 66 A12^FC is a Polyamide 66 (Nylon 66) product. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.4	--	%	
Flow	0.90	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	95.0	65.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	4.5	18	%	
Break	20	> 50	%	
Flexural Modulus (23°C)	3300	1900	MPa	ISO 178
Flexural Stress	145	75.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	4.0	--	kJ/m ²	
23°C	5.0	15	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	215	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	> 210	--	°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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