

SCANAMID 6 B12^

Polyamide 6

Polykemi AB

Message:

SCANAMID 6 B12^ 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	1.4	--	%	
Flow	1.2	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	70.0	60.0	MPa	ISO 527-2
Tensile Strain (Yield)	5.0	35	%	ISO 527-2
Flexural Modulus (23°C)	2400	1300	MPa	ISO 178
Flexural Stress	95.0	45.0	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	20	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	180	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
Vicat Softening Temperature				
--	215	--	°C	ISO 306/A50
--	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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