

SCANAMID 6 B12^ NH11L

Polyamide 6

Polykemi AB

Message:

Flame retardant halogen free

General Information				
Additive	Flame Retardant			
Features	Flame Retardant			
	Halogen Free			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.17	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.1 to 1.3	--	%	
Flow	1.1 to 1.3	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	80	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	78.0	64.0	MPa	ISO 527-2
Tensile Strain (Break)	10	63	%	ISO 527-2
Flexural Modulus (23°C)	3400	3000	MPa	ISO 178
Flexural Stress	114	97.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	--	4.0	kJ/m ²	
23°C	9.0	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	190	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	--	°C	ISO 75-2/A
Vicat Softening Temperature				
--	213	--	°C	ISO 306/A50
--	197	--	°C	ISO 306/B50

Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94
Glow Wire Ignition Temperature (0.800 mm)	850	--	°C	IEC 60695-2-13
NOTE				
1.	120°C/hr			

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