

SCANAMID 6 B12^ NH6

Polyamide 6

Polykemi AB

Message:

Flame retardant halogen free

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.2	%	
Flow	1.0 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	74.0	MPa	ISO 527-2
Tensile Strain (Break)	9.0	%	ISO 527-2
Flexural Modulus (23°C)	3000	MPa	ISO 178
Flexural Stress	115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	177	°C	ISO 75-2/B
1.8 MPa, Unannealed	63.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	216	°C	ISO 306/A50
--	200	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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