

SCANAMID 6 B12^ NH9

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/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.2	%	
Flow	1.0 to 1.2	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	71.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus (23°C)	2500	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	63.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	215	°C	ISO 306/A50
--	200	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
NOTE			
1.	120°C/hr		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

