

SCANAMID 66 A12^ F35 NH9

Polyamide 66

Polykemi AB

Message:

Flame retardant halogen free Glass fibre reinforced

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		

Physical	Nominal Value	Unit	Test Method
Density	1.47	g/cm³	ISO 1183

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	165	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	10500	MPa	ISO 178
Flexural Stress	270	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m²	
23°C	7.0	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	258	°C	ISO 75-2/B
1.8 MPa, Unannealed	244	°C	ISO 75-2/A
Vicat Softening Temperature	> 250	°C	ISO 306/A50, 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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