

SCANAMID 6 B32^E Q30

Polyamide 6

Polykemi AB

Message:

Mineral reinforced

General Information				
Filler / Reinforcement		Mineral,30% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.31	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.90 to 1.1	--	%	
Flow	0.90 to 1.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	80.0	60.0	MPa	ISO 527-2
Tensile Strain (Break)	15	40	%	ISO 527-2
Flexural Modulus (23°C)	4200	2000	MPa	ISO 178
Flexural Stress	100	75.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	9.0	--	kJ/m ²	
23°C	11	16	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	180	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	100	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	--	°C	IEC 60695-2-13
NOTE				

1. 120°C/hr

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