

SCANAMID 66 A53^E

Polyamide 66

Polykemi AB

Message:

Modified

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.08	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.8	--	%	
Flow	1.6	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	70	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	50.0	40.0	MPa	ISO 527-2
Tensile Strain				ISO 527-2
Yield	8.0	40	%	
Break	55	> 100	%	
Flexural Modulus (23°C)	2100	1200	MPa	ISO 178
Flexural Stress	90.0	45.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	40	--	kJ/m ²	
23°C	60 kJ/m ²	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	180	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	--	°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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