

SCANLON A 5005B

Acrylonitrile Butadiene Styrene + Nylon
Polykemi AB

Message:

PA/ABS-Blend

General Information				
Physical	Dry	Conditioned	Unit	Test Method
Density	1.05	--	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/5.0 kg)	7.5	--	g/10 min	ISO 1133
Molding Shrinkage				ISO 294-4
Across Flow	0.90	--	%	
Flow	0.90	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	64	--		ASTM D2240
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress	40.0	35.0	MPa	ISO 527-2
Tensile Strain (Break)	> 150	> 200	%	ISO 527-2
Flexural Modulus (23°C)	1400	1200	MPa	ISO 178
Flexural Stress	50.0	45.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
-20°C	--	25	kJ/m ²	
23°C	45	50	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature ¹				
0.45 MPa, Unannealed	90.0	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
Vicat Softening Temperature				
--	185	--	°C	ISO 306/A50
--	105	--	°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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