

SCANFILL FOIL ABYX52C1

Polypropylene

Polykemi AB

Message:

Thermoforming grade

General Information			
Filler / Reinforcement	Filler,52% Filler by Weight		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 2577
Across Flow	0.80 to 1.1	%	
Flow	0.80 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	23.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	5.0	%	
Flexural Modulus (23°C)	3900	MPa	ISO 178
Flexural Stress	43.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	2.0	kJ/m ²	
23°C	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	9.0	kJ/m ²	
23°C	16	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	122	°C	ISO 75-2/B
1.8 MPa, Unannealed	76.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	133	°C	ISO 306/A50
--	89.0	°C	ISO 306/B50
Flammability	Nominal Value	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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