

POLYfill PP CQX10030 RT

Polypropylene

Polykemi AB

Message:

Mineral reinforced Scratch resistant

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Scratch Resistant		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.3 to 1.5	%	
Flow	1.3 to 1.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	16	%	
Flexural Modulus (23°C)	1800	MPa	ISO 178
Flexural Stress	36.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	40	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	111	°C	ISO 75-2/B
1.8 MPa, Unannealed	58.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	146	°C	ISO 306/A50
--	70.0	°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)	750	°C	IEC 60695-2-13

NOTE

1. 120°C/hr

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