

POLYfill PP CQX15015 R3 UV

Polypropylene

Polykemi AB

Message:

Mineral reinforced Scratch resistant

General Information			
Filler / Reinforcement	Mineral, 15% Filler by Weight		
Features	Scratch Resistant		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.4 to 1.6	%	
Flow	1.4 to 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	31	%	
Flexural Modulus (23°C)	1300	MPa	ISO 178
Flexural Stress	34.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	< 0.100	dL	ISO 1518/D65
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	6.0	kJ/m ²	
23°C	16	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	54	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	104	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	145	°C	ISO 306/A50
--	68.0	°C	ISO 306/B50
CLTE - Flow	9.0E-5 to 1.1E-4	cm/cm/°C	Internal Method
Flammability	Nominal Value	Unit	Test Method

Glow Wire Ignition Temperature (2.20 mm)	650	°C	IEC 60695-2-13
NOTE			

1.	120°C/hr
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