

POLYfill PP CQX8025 R2

Polypropylene

Polykemi AB

Message:

Mineral reinforced Scratch resistant

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Scratch Resistant		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	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	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	25	%	
Flexural Modulus (23°C)	1500	MPa	ISO 178
Flexural Stress	36.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure ¹	< 0.100	dL	ISO 1518/D65
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, Unannealed	108	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	70.0	°C	ISO 306/B50
CLTE - Flow	8.0E-5 to 1.0E-4	cm/cm/°C	Internal Method
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.	Test performed on black plaques with fine (Standex MT9078) and rough (Standex MT11435) structure	
2.	120°C/hr	

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