

POLYfill PP EIP12030F

Polypropylene + EPDM Rubber

Polykemi AB

Message:

PP/EPDM Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80 to 1.0	%	
Flow	0.80 to 1.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	26.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	16	%	
Flexural Modulus (23°C)	2500	MPa	ISO 178
Flexural Stress	45.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	6.90	dL	ISO 1518/D65
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	3.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	24	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	116	°C	ISO 75-2/B
1.8 MPa, Unannealed	64.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	145	°C	ISO 306/A50
--	75.0	°C	ISO 306/B50
CLTE - Flow	5.5E-5 to 7.5E-5	cm/cm/°C	Internal Method
Flammability	Nominal Value	Unit	Test Method
Glow Wire Ignition Temperature (2.00 mm)	750	°C	IEC 60695-2-13

NOTE

1. 120°C/hr

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