

POLYfill PP CIM9040

Polypropylene

Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.70 to 0.90	%	
Flow	0.70 to 0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	29.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	6.0	%	
Flexural Modulus (23°C)	3400	MPa	ISO 178
Flexural Stress	52.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	3.70	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	4.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	10	kJ/m ²	
23°C	18	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	130	°C	ISO 75-2/B
1.8 MPa, Unannealed	90.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	150	°C	ISO 306/A50
--	90.0	°C	ISO 306/B50
CLTE - Flow	5.0E-5 to 7.0E-5	cm/cm/°C	Internal Method
NOTE			
1.	120°C/hr		

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