

POLYfill PP CIQ15020

Polypropylene

Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.04	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	1.1 to 1.3	%	
Flow	1.1 to 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	30.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	8.0	%	
Break	24	%	
Flexural Modulus (23°C)	1500	MPa	ISO 178
Flexural Stress	45.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	0.120	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	8.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	52	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	112	°C	ISO 75-2/B
1.8 MPa, Unannealed	56.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	143	°C	ISO 306/A50
--	62.0	°C	ISO 306/B50
CLTE - Flow	7.0E-5 to 9.0E-5	cm/cm/°C	Internal Method
NOTE			
1.	120°C/hr		

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