

POLYfill PPH GF5020 HC

Polypropylene Homopolymer

Polykemi AB

Message:

Glass fiber reinforced

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90 to 1.1	%	
Flow	0.25 to 0.35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	84.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus (23°C)	5900	MPa	ISO 178
Flexural Stress	139	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	6.5	kJ/m ²	
23°C	8.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	40	kJ/m ²	
23°C	51	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	157	°C	ISO 75-2/B
1.8 MPa, Unannealed	142	°C	ISO 75-2/A
Vicat Softening Temperature			
--	165	°C	ISO 306/A50
--	142	°C	ISO 306/B50
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.	120°C/hr		

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