

POLYfill PPH GF5030 HC

Polypropylene Homopolymer

Polykemi AB

Message:

Glass fibre-reinforced

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.80	%	
Flow	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	103	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	3.5	%	
Break	4.0	%	
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Stress	158	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	8.0	kJ/m ²	
23°C	10	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	39	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	159	°C	ISO 75-2/B
1.8 MPa, Unannealed	149	°C	ISO 75-2/A
Vicat Softening Temperature			
--	166	°C	ISO 306/A50
--	143	°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			

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