

POLYfill PPH GF20005 PD2 UV

Polypropylene Homopolymer

Polykemi AB

Message:

Glass fibre-reinforced Chemically coupled

General Information			
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Features	Chemically Coupled		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.90 to 1.2	%	
Flow	0.40 to 0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	44.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.8	%	
Break	8.5	%	
Flexural Modulus (23°C)	2400	MPa	ISO 178
Flexural Stress	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	2.8	kJ/m ²	
23°C	5.0	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	32	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	107	°C	ISO 306/A50
--	110	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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