

POLYfill PPH BF405510 VT1

Polypropylene Homopolymer

Polykemi AB

Message:

Reinforced Heat resistant

General Information			
Filler / Reinforcement	Filler,65% Filler by Weight		
Features	High Heat Resistance		
	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.84	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	1.5	%	
Flow	0.45	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5500	MPa	ISO 527-2
Tensile Stress	28.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	2.0	%	
Break	2.2	%	
Flexural Modulus (23°C)	5000	MPa	ISO 178
Flexural Stress	55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	22	kJ/m ²	
23°C	22	kJ/m ²	
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180/4A
Aging	Nominal Value	Unit	Test Method
Heat Aging - Passes (150°C)	14.0	day	Internal Method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	147	°C	ISO 75-2/B
1.8 MPa, Unannealed	105	°C	ISO 75-2/A

Vicat Softening Temperature			
--	155	°C	ISO 306/A50
--	98.0	°C	ISO 306/B50
CLTE - Flow	5.5E-5 to 6.5E-5	cm/cm/°C	Internal Method
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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