

POLYfill PPH T16020

Polypropylene Homopolymer

Polykemi AB

Message:

Mineral reinforced

General Information			
UL YellowCard	E122538-221322		
Filler / Reinforcement	Mineral,20% Filler by Weight		
UL File Number	E122538		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.2	%	
Flow	1.0 to 1.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	34.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	25	%	
Flexural Modulus (23°C)	2800	MPa	ISO 178
Flexural Stress	51.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	3.30	dL	ISO 1518/D65
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	2.0	kJ/m ²	
23°C	3.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	18	kJ/m ²	
23°C	35	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	118	°C	ISO 75-2/B
1.8 MPa, Unannealed	68.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	148	°C	ISO 306/A50
--	86.0	°C	ISO 306/B50
CLTE - Flow	6.0E-5 to 8.0E-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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