

POLYfill PP HIP15025 HC

Polypropylene

Polykemi AB

Message:

POLYfill PP HIP15025 HC is a Polypropylene product filled with 25% filler. It is available in Asia Pacific or Europe. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Filler,25% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.2	%	
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Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	36.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	5.5	%	
Break	5.5	%	
Flexural Modulus (23°C)	4100	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	144	°C	ISO 75-2/B
1.8 MPa, Unannealed	93.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	157	°C	ISO 306/A50
--	115	°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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