

POLYfill PP EIP2012 F

Polypropylene

Polykemi AB

Message:

Mineral reinforced PP Extrusion grade, Low CLTE

General Information			
Filler / Reinforcement	Mineral, 12% Filler by Weight		
Features	Low CLTE		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2 to 1.4	%	
Flow	1.2 to 1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1300	MPa	ISO 178
Flexural Stress	28.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	13	kJ/m ²	
23°C	30	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹ (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	135	°C	ISO 306/A50
--	60.0	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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