

POLYfill PP CIQ10015ER UV

Polypropylene

Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.3 to 1.6	%	
Flow	1.3 to 1.6	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2
Tensile Strain (Break)	110	%	ISO 527-2
Flexural Modulus (23°C)	1400	MPa	ISO 178
Flexural Stress	35.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	4.0	kJ/m ²	
23°C	12	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	87.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	47.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	142	°C	ISO 306/A50
--	63.0	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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