POLYfill PP CPQ10015 FF

Polypropylene

Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.00	g/cm^3	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	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	21.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	7.0	%	
Break	55	%	
Flexural Modulus (23°C)	1900	MPa	ISO 178
Flexural Stress	39.0	MPa	ISO 178
Scratch Resistance - 10 N Fine Structure	0.120	dL	ISO 1518/D65
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m^2	
23°C	28	kJ/m^2	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1]			
0.45 MPa, Unannealed	124	°C	ISO 75-2/B
1.8 MPa, Unannealed	67.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	60.0	°C	ISO 306/B50
CLTE - Flow	5.0E-5 to 7.0E-5	cm/cm/°C	Internal Method

NOTE	
1.	120°C/hr