

POLYfill PPC T5020

Polypropylene Copolymer

Polykemi AB

Message:

Mineral reinforced

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.0 to 1.3	%	
Flow	1.0 to 1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	25.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2
Flexural Modulus (23°C)	1900	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Scratch Resistance ¹			ISO 1518/D65
10 N Fine Structure	3.30	dL	
10 N Rough Structure	3.80	dL	
20 N Fine Structure	4.40	dL	
20 N Rough Structure	5.30	dL	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	2.0	kJ/m ²	
23°C	7.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ²			
0.45 MPa, Unannealed	110	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	140	°C	ISO 306/A50
--	58.0	°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.	Test performed on black plaques with fine (Standex MT9078) and rough (Standex MT11435) structure
2.	120°C/hr

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