POLYshine PBT D201 GF30

Polybutylene Terephthalate

Polykemi AB

Message:

Glass fibre-reinforced

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.52	g/cm³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	0.30	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress	150	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Flexural Modulus (23°C)	8000	MPa	ISO 178
Flexural Stress	180	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	5.0	kJ/m²	
23°C	5.0	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature [1]			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	210	°C	ISO 75-2/A
Vicat Softening Temperature	215	°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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