

KEBATER® PBT A9030

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT, 30% glass fiber reinforced, improved surface quality, reduced warpage

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Surface Finish		
	Low Warpage		
Resin ID (ISO 1043)	(PBT+X)-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ISO 527-2
Tensile Stress (Break)	145	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	66	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	225	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+19	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.800 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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