

KEBATER® PBT A9045

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT, 45% glass fiber reinforced, improved surface quality, reduced warpage, food grade

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Food Contact Acceptable		
	Good Surface Finish		
	Low Warpage		
Resin ID (ISO 1043)	(PBT+X)-GF45		
Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	30	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16500	MPa	ISO 527-2
Tensile Stress (Break)	165	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flammability Classification ² (0.800 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		
2.	UL Registered		

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