

KEBATER® PBT BF230

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT, 30% glass fiber reinforced, food grade

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Food Contact Acceptable		
Resin ID (ISO 1043)	PBT-GF30		
Physical	Nominal Value	Unit	Test Method
Density	1.52	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.40	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10000	MPa	ISO 527-2
Tensile Stress (Break)	145	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	
23°C	12	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	60	kJ/m ²	
23°C	60	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	205	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	4.0E-5	cm/cm/°C	
Transverse	7.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+19	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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