

KEBATER® PBT BFA20

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT, 20% glass fiber reinforced, flame retardant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Resin ID (ISO 1043)	PBT-GF20 FR		
Physical	Nominal Value	Unit	Test Method
Density	1.55	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7800	MPa	ISO 527-2
Tensile Stress (Break)	100	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	220	°C	ISO 75-2/B
1.8 MPa, Unannealed	208	°C	ISO 75-2/A
Melting Temperature ¹	225	°C	ISO 11357-3
CLTE - Flow	5.0E-5	cm/cm/°C	ISO 11359-2
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 ² (0.800 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		
2.	UL Registered		

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