

KEBATER® PBT B511T

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT unreinforced, super tough

General Information			
Features	Good Toughness		
Resin ID (ISO 1043)	PBT-I		
Physical	Nominal Value	Unit	Test Method
Density	1.23	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Break)	40.0	MPa	ISO 527-2
Tensile Strain (Break)	50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
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
Electric Strength	26	kV/mm	IEC 60243-1
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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Recommended distributors for this material

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