

KEBATER® PBT B512A

Polybutylene Terephthalate

BARLOG plastics GmbH

Message:

PBT unreinforced, flame retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Resin ID (ISO 1043)	PBT FR(17)		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2050	MPa	ISO 527-2
Tensile Stress (Break)	40.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	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
Heat Deflection Temperature			
0.45 MPa, Unannealed	140	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°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 ² (0.800 mm)	V-0		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		
2.	UL Registered		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

