

**KEBATER PBT B512A**

PBT

Barlog plastics GmbH

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	1.7	%	ISO 294-4, 2577
Molding shrinkage, normal	1.8	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	2050	MPa	ISO 527
Stress at break	40	MPa	ISO 527
Strain at break	12	%	ISO 527
Charpy impact strength, +23°C	100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	100	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	140	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E17	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1370	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	250 - 265	°C	-
Mold temperature	60 - 120	°C	-
Back pressure	2 - 4	MPa	-

**Characteristics****Processing**

Injection Molding

**Features**

Tribologic Grade

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical, Encapsulation

**Regional Availability**

Europe