

**KEBATER PBT BF115**

PBT-GF15

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	25	g/10min	ISO 1133
Temperature	250	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Tensile Modulus	6000	MPa	ISO 527
Stress at break	100	MPa	ISO 527
Strain at break	3	%	ISO 527
Charpy impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength, -30°C	45	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	9	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	190	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	215	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	40	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
<b>Electrical properties</b>			
Value	Unit	Test Standard	
<b>ISO Data</b>			
Volume resistivity	1E17	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Value	Unit	Test Standard	
Humidity absorption	0.2	%	Sim. to ISO 62
Density	1420	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Features**

Low Warpage, Tribologic Grade

**Chemical Resistance**

General Chemical Resistance

**Applications**

Automotive, Electrical and Electronical, Encapsulation

**Regional Availability**

Europe