

KEBATER PBT BF250

PBT-GF50

Barlog plastics GmbH

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15000	MPa	ISO 527
Stress at break	160	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Charpy impact strength, +23°C	55	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	55	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	11.5	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	12	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	225	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	205	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	220	°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	40	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
Yellow Card available	yes	-	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E17	Ohm*m	IEC 62631-3-1
Surface resistivity	1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Humidity absorption	0.1	%	Sim. to ISO 62
Density	1700	kg/m ³	ISO 1183

Characteristics**Features**

Low Warpage, Tribologic Grade

Chemical Resistance

General Chemical Resistance

Certifications

Food contact

Applications

Automotive, Electrical and Electronical, Encapsulation, Medical

Regional Availability

Europe