

KEBATER PBT A9030 black 9001

(PBT+PET)-GF30

Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.2	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	10500	MPa	ISO 527
Stress at break	145	MPa	ISO 527
Strain at break	2.5	%	ISO 527
Charpy impact strength, +23°C	66	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	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	225	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E17	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1550	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	255 - 275	°C	-
Mold temperature	60 - 120	°C	-
Back pressure	4 - 8	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Black

Chemical Resistance

General Chemical Resistance

Applications

Automotive, Electrical and Electronical, Encapsulation

Regional Availability

Europe