KEBATER PBT A9045

PBT-(GF+X)45 — Barlog plastics GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**30**	g/10min	ISO 1133
Temperature	**260**	°C	-
Load	**5**	kg	-
Molding shrinkage, parallel	**0.2**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**16500**	MPa	ISO 527
Stress at break	**165**	MPa	ISO 527
Strain at break	**2**	%	ISO 527
Charpy impact strength, +23°C	**65**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**11**	kJ/m²	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	**210**	°C	ISO 75-1/-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	**1E15**	Ohm*m	IEC 62631-3-1
Surface resistivity	**1E15**	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.15**	%	Sim. to ISO 62
Density	**1680**	kg/m³	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

Features
Tribologic Grade

Chemical Resistance
General Chemical Resistance

Certifications
Food contact

Applications
Automotive, Electrical and Electronical, Encapsulation, Medical, Sports Equipment

Regional Availability
Europe