KEPEX® 3330GB

PBT-GB30 — Korea Engineering Plastics Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	**57**	MPa	ISO 527
Strain at break	**4**	%	ISO 527
Flexural modulus, 23°C	**4300**	MPa	ISO 178
Charpy notched impact strength, +23°C	**2.3**	kJ/m²	ISO 179/1eA
Rockwell hardness	**R117**	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**220**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**210**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**220**	°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			
Electric strength	**22**	kV/mm	IEC 60243-1
ASTM Data			
Dissipation Factor, 60 Hz	**0.002**	-	ASTM D 150
Dielectric Constant, 60 Hz	**3.4**	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	**1530**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**120 - 130**	°C	-
Pre-drying - Time	**3 - 5**	h	-
Processing humidity	**≤0.05**	%	-
Mold temperature	**70 - 90**	°C	-
Feed temperature	**60 - 80**	°C	-
Zone 1	**230**	°C	-
Zone 2	**240**	°C	-
Zone 3	**250**	°C	-
Nozzle temperature	**250**	°C	-
Screw speed	**80 - 120**	rpm	-
Back pressure	**0.5 - 1**	MPa	-

Characteristics

Processing
Injection Molding

Applications
Automotive, Electrical and Electronical

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
North America, Europe, Asia Pacific