

**KEPEX® 3330GVS**

PBT-GF30

Korea Engineering Plastics Co. Ltd.

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Strength	130	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	10000	MPa	ISO 178
Charpy notched impact strength, +23°C	6.8	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	R120	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
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	V-0	class	IEC 60695-11-10
Thickness tested	0.8	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Electric strength	18	kV/mm	IEC 60243-1
<b>ASTM Data</b>			
Dissipation Factor, 60 Hz	0.002	-	ASTM D 150
Dielectric Constant, 60 Hz	3.5	-	ASTM D 150

Other properties	Value	Unit	Test Standard
Density	1650	kg/m <sup>3</sup>	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	245	°C	-
Zone 3	240	°C	-
Nozzle temperature	250	°C	-
Screw speed	80 - 120	rpm	-
Back pressure	0.5 - 1	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Features**

Non Blooming

**Applications**

Automotive, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific