

KEPEX® 3750GF

(PBT+PET)-GF50

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			
ISO Data			
Tensile Strength	155	MPa	ISO 527
Strain at break	1	%	ISO 527
Flexural modulus, 23°C	16500	MPa	ISO 178
Charpy notched impact strength, +23°C	10	kJ/m ²	ISO 179/1eA
Rockwell hardness	R119	-	ISO 2039-2
Thermal properties			
ISO Data			
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			
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			
Density	1750	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
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	245	°C	-
Zone 2	255	°C	-
Zone 3	265	°C	-
Nozzle temperature	270	°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