

KEPEX® 4345GF

(PBT+PET)-GF45

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	172	MPa	ISO 527
Strain at break	1.5	%	ISO 527
Flexural modulus, 23°C	14300	MPa	ISO 178
Charpy notched impact strength, +23°C	9.8	kJ/m ²	ISO 179/1eA
Rockwell hardness	R118	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	250	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	225	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	250	°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	1710	kg/m ³	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	260	°C	-
Zone 2	270	°C	-
Zone 3	280	°C	-
Nozzle temperature	290	°C	-
Screw speed	80 - 120	rpm	-
Back pressure	0.5 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific