KOLON PLASTICS, INC.

PRODUCT INFORMATION

Glass Fiber Reinforced Grade

KOPET® KP133G30BL

Polyester compound resin,
Dimensionally stable, high elastic

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.51
Shrinkage	ASTM D955	%	0.2-0.5
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.1
Thermal			
Melting Point	ASTM D3418	℃	255
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm^2)		℃	240
HDT/A 1.82 MPa (18.6 kg/cm^2)		℃	220
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10^{-4}cm/cm·℃	0.4
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm^2)	119(1213)
Tensile Elongation 23℃	ASTM D638	%	6.3
Flexural Strength 23℃	ASTM D790	MPa (kg/cm^2)	196(1984)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm^2)	7900(80455)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	61(6.2)
Rockwell Hardness R scale	ASTM D785	g/cc	114
Electrical			
Arc Resistance	ASTM D495	sec	122
Dielectric Constant	ASTM D150	10^{6}Hz	3.8
Dielectric Strength	ASTM D149	KV/mm	20

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