

PRODUCT INFORMATION

Glass Fiber Reinforced, Flame Retardant Grade

KOPET[®] KP132G30V0

Polyester compound resin,
Dimensionally stable, flame retardant

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.67
Shrinkage	ASTM D955	%	0.03-0.07
Water Absorption 23 °C, Equilibrium 60%RH	ASTM D570	%	0.05
Thermal			
Melting Point	ASTM D3418	°C	254
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	224
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	175
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.3
Flammability	UL 94		V0
Mechanical			
Tensile Strength 23 °C	ASTM D638	MPa (kg/cm ²)	132(1350)
Tensile Elongation 23 °C	ASTM D638	%	4.5
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm ²)	226(2300)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm ²)	9807(100000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg·cm/cm)	74(7.5)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	100
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.7
Dielectric Strength	ASTM D149	KV/mm	20

**KOLON PLASTICS, Inc.**