

PRODUCT INFORMATION

Glass Fiber Reinforced, Halogen Free Flame Retardant Grade

SPE SIN[®] KP212G30VFBL

PBT Compound resin,

Halogen Free, Flame retardant, G/F 30% reinforced, Black color

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.57
Shrinkage		ASTM D955	%	0.2~0.9
Water Absorption	23 °C, Equilibrium 60%RH	ASTM D570	%	0.08
Thermal				
Melting Point		ASTM D3418	°C	225
Melt Index (250 °C×2160g)		ASTM D648	g/10min	8.5
Heat Deflection Temperature under Load		ASTM D648		
	HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	220
	HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	210
Flammability (1/32")		UL 94		V0
Mechanical				
Tensile Strength	23 °C	ASTM D638	kg/cm ²	1000
Tensile Elongation	23 °C	ASTM D638	%	5
Flexural Strength	23 °C	ASTM D790	kg/cm ²	1700
Flexural Modulus	23 °C	ASTM D790	kg/cm ²	82000
Notched Izod Impact Strength	23 °C	ASTM D256	kg·cm/cm	6.5

**KOLON PLASTICS, Inc.**