

PRODUCT INFORMATION

Glass Fiber Reinforced, Halogen Free Flame Retardant Grade

SPE SIN[®] KP212G15VFBL

PBT Compound resin,

Halogen Free Flame retardant grade, G/F 15% reinforced, Black color

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.43
Shrinkage		ASTM D955	%	0.6~1.4
Water Absorption	23℃, Equilibrium 60%RH	ASTM D570	%	0.08
Thermal				
Melting Point		ASTM D3418	℃	225
Melt Index (250℃×2160g)		ASTM D648	g/10min	18
Heat Deflection Temperature under Load		ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)			℃	222
HDT/A 1.82 MPa (18.6 kg/cm ²)			℃	204
Flammability (1/32")		UL 94		V0
Mechanical				
Tensile Strength	23℃	ASTM D638	kg/cm ²	750
Tensile Elongation	23℃	ASTM D638	%	5.5
Flexural Strength	23℃	ASTM D790	kg/cm ²	1300
Flexural Modulus	23℃	ASTM D790	kg/cm ²	57000
Notched Izod Impact Strength	23℃	ASTM D256	kg·cm/cm	5.8

**KOLON PLASTICS, Inc.**