

PRODUCT INFORMATION

Glass Fiber Reinforced, Flame Retardant Grade

SPE SIN[®] KP212G30V0LG

PBT Compound resin,

G/F 30% Reinforced, Flame Retardant, Gray Grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.63
Shrinkage	ASTM D955	%	0.7-1.0
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.02
Thermal			
Melting Point	ASTM D3418	℃	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	220
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	200
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.4
Flammability	UL 94		V0
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	118(1200)
Tensile Elongation 23℃	ASTM D638	%	5
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	400(4000)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	8000(81000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	51(5)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	110
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.7
Dielectric Strength	ASTM D149	KV/mm	27

**KOLON PLASTICS, Inc.**