

PRODUCT INFORMATION

Glass Fiber Reinforced, Flame Retardant Grade

SPESIN[®] KP212G15V0W3

PBT Compound resin,

Flame retardant, whether resistant, lightproof

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.53
Shrinkage	ASTM D955	%	0.6-1.4
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.06
Thermal			
Melting Point	ASTM D3418	℃	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	215
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	178
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)	93(950)
Tensile Elongation 23℃	ASTM D638	%	7
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	167(1700)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	5492(56000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg cm/cm)	59(6)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.5
Dielectric Strength	ASTM D149	KV/mm	26

**KOLON PLASTICS, Inc.**