KOLON PLASTICS, INC.

PRODUCT INFORMATION

Glass Fiber Reinforced, Halogen Free Flame Retardant Grade

SPESIN® 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

The information provided in this data sheet is based on our present state of knowledge and is estimated by KOLON PLASTICS, Inc. This information should not be used as guaranteeing specification limits. KOLON PLASTICS, Inc. make no warranty and liability in connection with any use of this information.

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