

## PRODUCT INFORMATION

Glass Fiber Reinforced, Halogen Free Flame Retardant Grade

# SPESIN<sup>®</sup> KP212G30VF

PBT Compound resin,  
Halogen Free, Flame retardant, G/F 30% reinforced

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.57
Shrinkage	ASTM D955	%	0.3~1.0
Water Absorption      23°C, Equilibrium 60%RH	ASTM D570	%	0.08
<b>Thermal</b>			
Melting Point	ASTM D3418	°C	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A    0.45 MPa ( 4.6 kg/cm <sup>2</sup> )		°C	220
HDT/A    1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	210
Coefficient of linear expansion	ASTM D696	× 10 <sup>-4</sup> cm/cm · °C	0.4
Flammability (1/32")	UL 94		V0
<b>Mechanical</b>			
Tensile Strength      23°C	ASTM D638	kg/cm <sup>2</sup>	1,000
Tensile Elongation    23°C	ASTM D638	%	5
Flexural Strength     23°C	ASTM D790	kg/cm <sup>2</sup>	1,700
Flexural Modulus     23°C	ASTM D790	kg/cm <sup>2</sup>	82,000
Notched Izod Impact Strength    23°C	ASTM D256	kg · cm/cm	6.5
Rockwell hardness	ASTM D785	R scale	120
<b>Electrical</b>			
Comparative Tracking Index(CTI)	IEC 60112	Volts	600
Arc resistivity	ASTM D495	sec	110
Breakdown voltage	ASTM D149	KV/mm	27

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 i



**KOLON PLASTICS, Inc.**

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