

PRODUCT INFORMATION

Glass Fiber Reinforced Grade

SPESIN[®] KP213G30BK

PBT Compound resin,
G/F 30% reinforced , Black color

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.52
Shrinkage	ASTM D955	%	0.5-1.0
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.05
Thermal			
Melting Point	ASTM D3418	°C	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	220
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	205
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm · °C	0.4
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23°C	ASTM D638	MPa (kg/cm ²)	137(1400)
Tensile Elongation 23°C	ASTM D638	%	5
Flexural Strength 23°C	ASTM D790	MPa (kg/cm ²)	211(2150)
Flexural Modulus 23°C	ASTM D790	MPa (kg/cm ²)	8336(85000)
Notched Izod Impact Strength 23°C	ASTM D256	J/m (kg · cm/cm)	88(9)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.2
Dielectric Strength	ASTM D149	KV/mm	30

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