

PRODUCT INFORMATION

Glass Fiber Reinforced Grade

SPESIN[®] KP213G15GR-1

 PBT Compound resin,
 G/F 15% reinforced, Dark Gray

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.41
Shrinkage	ASTM D955	%	0.7-1.1
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)	78 (800)
Tensile Elongation 23 °C	ASTM D638	%	7
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm ²)	140 (1400)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm ²)	4200 (42100)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg cm/cm)	31 (3.2)
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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KOLON PLASTICS, Inc.

KOLON TOWER, 1-22, BYULYANG-DONG, GWACHEON-CITY GYUNG GI-DO, KOREA

 More information : www.kolonplastics.com/enghome