

**PRODUCT INFORMATION**

Glass Fiber Reinforced Grade

**SPESIN<sup>®</sup> KP213G20WBL**

 PBT Compound resin,  
 G/F 20% reinforced, **weather** resistance

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.48
Shrinkage	ASTM D955	%	0.6-1.0
Water Absorption      23 °C, Equilibrium 60%RH	ASTM D570	%	0.05
<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	205
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 <sup>-4</sup> cm/cm·°C	0.4
Flammability	UL 94		HB
<b>Mechanical</b>			
Tensile Strength                      23 °C	ASTM D638	MPa (kg/cm <sup>2</sup> )	108(1100)
Tensile Elongation                      23 °C	ASTM D638	%	6
Flexural Strength                      23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	177(1800)
Flexural Modulus                      23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	6276(64000)
Notched Izod Impact Strength                      23 °C	ASTM D256	J/m (kg cm/cm)	59(6)
Rockwell Hardness                      R scale	ASTM D785	g/cc	120
<b>Electrical</b>			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	3.2
Dielectric Strength	ASTM D149	KV/mm	30

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.


**KOLON PLASTICS, Inc.**

KOLON TOWER, 1-23, BYULYANG-DONG, GWACHEON-CITY GYUNG GI-DO, KOREA

 More information : [www.kolonplastics.com/enghome](http://www.kolonplastics.com/enghome)