

**PRODUCT INFORMATION**

Special Grade

**SPESIN<sup>®</sup> KP513UG**

 PBT Compound resin,  
 Extrudable, **delustering**

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.4
Shrinkage	ASTM D955	%	1.5-1.9
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	150
HDT/A    1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	60
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> )	69(700)
Tensile Elongation                    23 °C	ASTM D638	%	40
Flexural Strength                      23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	79(810)
Flexural Modulus                      23 °C	ASTM D790	MPa (kg/cm <sup>2</sup> )	196(2000)
Notched Izod Impact Strength      23 °C	ASTM D256	J/m (kg cm/cm)	49(5)
Rockwell Hardness                    R scale	ASTM D785	g/cc	114
<b>Electrical</b>			
Arc Resistance	ASTM D495	sec	110
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	3.7
Dielectric Strength	ASTM D149	KV/mm	27

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