

PRODUCT INFORMATION

Impact Resistant Grade

SPESIN[®] KP213HIPBT Compound resin,
Impact resistant

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.25
Shrinkage	ASTM D955	%	2.2-2.7
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.05
Thermal			
Melting Point	ASTM D3418	℃	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	150
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	55
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	1.2
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	47(480)
Tensile Elongation 23℃	ASTM D638	%	17
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	79(800)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2059(21000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	74(7.5)
Rockwell Hardness R scale	ASTM D785	g/cc	118
Electrical			
Arc Resistance	ASTM D495	sec	125
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.4
Dielectric Strength	ASTM D149	KV/mm	24

**KOLON PLASTICS, Inc.**