

PRODUCT INFORMATION

Flame Retardant Grade

SPESIN[®] KP212V0BLKPBT Compound resin,
Flame retardant, BLACK

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.42
Shrinkage	ASTM D955	%	1.8-2.6
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.06
Thermal			
Melting Point	ASTM D3418	℃	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	165
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	55
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.7
Flammability	UL 94		V0
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	60(610)
Tensile Elongation 23℃	ASTM D638	%	11
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	98(1000)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2628(26800)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg cm/cm)	35(3.6)
Rockwell Hardness R scale	ASTM D785	g/cc	118
Electrical			
Arc Resistance	ASTM D495	sec	85
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.2
Dielectric Strength	ASTM D149	KV/mm	25

**KOLON PLASTICS, Inc.**