

PRODUCT INFORMATION

General Grade

SPE SIN[®] KP270NP

PBT Compound resin,
Excellent waterproofness

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.31
Shrinkage	ASTM D955	%	1.8-2.3
Melt Index 250℃, 2.16Kg	ASTM D1238	g/min	36.00
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	0.07
Thermal			
Melting Point	ASTM D3418	℃	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	166
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	59
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.8
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	57(582)
Tensile Elongation 23℃	ASTM D638	%	50
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	96(983)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2685(27380)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	5(49)
Rockwell Hardness R scale	ASTM D785	g/cc	118
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.1
Dielectric Strength	ASTM D149	KV/mm	28

**KOLON PLASTICS, Inc.**