

PRODUCT INFORMATION

High Heat & Impact Resistant Grade

KOPA[®] KN353HIBL

Polyamide 66 + PPE Compound resin,
Middle viscosity, Impact -resistant

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.1
Shrinkage	ASTM D955	%	1.6-1.8
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	1
Thermal			
Melt Temperature		℃	270-295
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	188
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	148
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.6
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	59(600)
Tensile Elongation 23℃	ASTM D638	%	40
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	96(980)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2256(23000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	245(25)
Rockwell Hardness R scale	ASTM D785		110
Electrical			
Arc Resistance	ASTM D495	sec	125
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.1
Dielectric Strength	ASTM D149	KV/mm	20

**KOLON PLASTICS, Inc.**