

PRODUCT INFORMATION

Heat Resistance Grade

KOPA[®] KN333HRBL

Polyamide 66 Compound resin,
Middle viscosity, BLACK

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.14
Shrinkage	ASTM D955	%	1.1-1.3
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	1.3
Thermal			
Melting Point	ASTM D3418	℃	255
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	235
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	85
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	0.7
Flammability	UL 94		V2
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	85(870)
Tensile Elongation 23℃	ASTM D638	%	40
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	123(1250)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2746(28000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	59(6)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	128
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.3
Dielectric Strength	ASTM D149	KV/mm	20

**KOLON PLASTICS, Inc.**