

PRODUCT INFORMATION

Heat Resistance Grade

KOPA[®] KN333HSBL

Polyamide 66 compound resin

Heat Resistance, black grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.14
Shrinkage	ASTM D955	%	1.1-1.3
Water Absorption 23 °C, Equilibrium 60%RH	ASTM D570	%	1.3
Thermal			
Melting Point	ASTM D3418	°C	255
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	225
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	70
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.7
Flammability	UL 94		V2
Mechanical			
Tensile Strength 23 °C	ASTM D638	kg/cm ²	840
Tensile Elongation 23 °C	ASTM D638	%	50
Flexural Strength 23 °C	ASTM D790	kg/cm ²	1200
Flexural Modulus 23 °C	ASTM D790	kg/cm ²	29000
Notched Izod Impact Strength 23 °C	ASTM D256	kg cm/cm	7
Rockwell Hardness R scale	ASTM D785	-	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.**