

PRODUCT INFORMATION

Standard Grade

KOPA[®] KN3311BLK

Polyamide 66 resin

Standard 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	235
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	85
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	MPa (kg/cm ²)	83 (850)
Tensile Elongation 23 °C	ASTM D638	%	20
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm ²)	127 (1,300)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm ²)	2,940 (30,000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg·cm/cm)	69 (7)
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.

