

PRODUCT INFORMATION

toughened Grade

KOPA[®] KN333HFBL1

Polyamide 66 Compound resin,

Middle viscosity, Heat stable, toughened, flexible grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.12
Shrinkage	ASTM D955	%	1.4~1.7
Water Absorption 23℃, Equilibrium 60%RH	ASTM D570	%	1.43
Thermal			
Melting Point	ASTM D3418	℃	255
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		℃	210
HDT/A 1.82 MPa (18.6 kg/cm ²)		℃	70
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·℃	1
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23℃	ASTM D638	MPa (kg/cm ²)	76(780)
Tensile Elongation 23℃	ASTM D638	%	25
Flexural Strength 23℃	ASTM D790	MPa (kg/cm ²)	118(1200)
Flexural Modulus 23℃	ASTM D790	MPa (kg/cm ²)	2750(28000)
Notched Izod Impact Strength 23℃	ASTM D256	J/m (kg·cm/cm)	98(10)
Rockwell Hardness R scale	ASTM D785	g/cc	110
Electrical			
Arc Resistance	ASTM D495	sec	115
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.2
Dielectric Strength	ASTM D149	KV/mm	20

**KOLON PLASTICS, Inc.**