

PRODUCT INFORMATION

Mineral Reinforced Grade

KOPA[®] KN333MT40BL

Polyamide 66 resin

Mineral reinforced, Black grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.46
Shrinkage	ASTM D955	%	0.3~0.6
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.3
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	230
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	210
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.7
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23°C	ASTM D638	MPa (kg/cm ²)	94 (960)
Tensile Elongation 23°C	ASTM D638	%	12
Flexural Strength 23°C	ASTM D790	MPa (kg/cm ²)	127 (1,300)
Flexural Modulus 23°C	ASTM D790	MPa (kg/cm ²)	2,820 (39,000)
Notched Izod Impact Strength 23°C	ASTM D256	J/m (kg cm/cm)	49 (5)
Rockwell Hardness R scale	ASTM D785	g/cc	125
Electrical			
Arc Resistance	ASTM D495	sec	133
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.4
Dielectric Strength	ASTM D149	KV/mm	20

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