

## PRODUCT INFORMATION

Glass fiber reinforced Grade

# KOPA<sup>®</sup> KN133G15BL

Polyamide 6 resin

Glass fiber reinforced, Black grade

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.24
Shrinkage	ASTM D955	%	0.7~0.9
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.4
<b>Thermal</b>			
Melting Point	ASTM D3418	°C	220
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa ( 4.6 kg/cm <sup>2</sup> )		°C	205
HDT/A 1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	190
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 <sup>-4</sup> cm/cm·°C	0.3
Flammability	UL 94		HB
<b>Mechanical</b>			
Tensile Strength 23°C	ASTM D638	MPa (kg/cm <sup>2</sup> )	137 (1,400)
Tensile Elongation 23°C	ASTM D638	%	7
Flexural Strength 23°C	ASTM D790	MPa (kg/cm <sup>2</sup> )	186 (1,900)
Flexural Modulus 23°C	ASTM D790	MPa (kg/cm <sup>2</sup> )	4,900 (50,000)
Notched Izod Impact Strength 23°C	ASTM D256	J/m (kg cm/cm)	74 (7.5)
Rockwell Hardness R scale	ASTM D785	g/cc	120
<b>Electrical</b>			
Arc Resistance	ASTM D495	sec	130
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	3.6
Dielectric Strength	ASTM D149	KV/mm	21

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