

# KN133G50BL

Poly amide 6 compounded resin, G/F 50% reinforced grade,  
High mechanical strength, Low distortion, Glassy surface, Black color

TEST ITEM	ASTM	UNIT	VALUE
<b>Physical Property</b>			
Specific Gravity	23°C	D792	-
Water Absorption		D570	%
Mold Shrinkage	23°C	D955	%
<b>Mechanical Property</b>			
Tensile Strength	23°C	D638	Kg/cm <sup>2</sup>
Tensile Elongation	23°C	D638	%
Flexural Strength	23°C	D790	Kg/cm <sup>2</sup>
Flexural Modulus	23°C	D790	Kg/cm <sup>2</sup>
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm
Hardness (Rockwell)		D785	R scale
<b>Thermal Property</b>			
Melting Point		D789	°C
Coefficient of Linear Thermal Expansion		D696	cm/cm/°C (x10 <sup>-4</sup> )
Heat Distortion Temperature		D648	
4.6kg/cm <sup>2</sup>			°C
18.6kg/cm <sup>2</sup>			°C
Flammability	UL94	UL 94	H B
<b>Electrical Property</b>			
Arc Resistance	23°C	D495	sec
Dielectric Constant	23°C	D150	10 <sup>6</sup> Hz
Dielectric Strength	23°C	D149	KV/mm

**Remark:** The information provided in this data sheet is based on Kolon's knowledge and test method, therefore it can not be used as guaranteed specification limits.