

KN 133G8ST

Poly amide 6 compounded resin, G/F 8% reinforced grade,
Super toughness, High impact strength, Glassy surface

TEST ITEM	ASTM	UNIT	VALUE	
Physical Property				
Specific Gravity	23°C	D792	-	1.17
Water Absorption		D570	%	0.9
Mold Shrinkage	23°C	D955	%	1.0 - 1.2
Mechanical Property				
Tensile Strength	23°C	D638	Kg/cm ²	750
Tensile Elongation	23°C	D638	%	10.0
Flexural Strength	23°C	D790	Kg/cm ²	1,200
Flexural Modulus	23°C	D790	Kg/cm ²	31,000
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	25.0
Hardness (Rockwell)		D785	R scale	118
Thermal Property				
Melting Point		D789	°C	220
Coefficient of Linear Thermal Expansion		D696	cm/cm/ °C(X10 ⁻⁴)	0.5
Heat Distortion Temperature		D648	°C	190
	4.6kg/cm ²		°C	110
	18.6kg/cm ²		°C	110
Flammability		UL94	UL 94	H B
Electrical Property				
Arc Resistance	23°C	D495	sec	125
Dielectric Constant	23°C	D150	10 ⁶ Hz	3.4
Dielectric Strength	23°C	D149	KV/mm	21

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.



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