

KP 513U G

PBT alloy resin, Easy extrusion & threading, non-glossy grade

TEST ITEM	ASTM	UNIT	VALUE	
Physical Property				
Specific Gravity	23 °C	D792	-	1.40
Water Absorption		D570	%	0.08
Mold Shrinkage	23 °C	D955	%	1.5 - 1.9
Mechanical Property				
Tensile Strength	23 °C	D638	Kg/cm ²	700
Tensile Elongation	23 °C	D638	%	40.0
Flexural Strength	23 °C	D790	Kg/cm ²	810
Flexural Modulus	23 °C	D790	Kg/cm ²	2,000
Impact Strength (Izod Notch)	23 °C	D256	Kg · cm/cm	5.0
Hardness (Rockwell)		D785	R scale	114
Thermal Property				
Melting Point		D789	°C	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/°C(X10 ⁻⁴)	0.4
Heat Distortion Temperature		D648	°C	150
	4.6kg/cm ²		°C	60
	18.6kg/cm ²		°C	60
Flammability		UL94	UL 94	H B
Electrical Property				
Arc Resistance	23 °C	D495	sec	110
Dielectric Constant	23 °C	D150	10 ⁶ Hz	3.7
Dielectric Strength	23 °C	D149	KV/mm	27

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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