

KP 513MT 25

PBT alloy resin,G/F 25% reinforced, low distortion grade

TEST ITEM	ASTM	UNIT	VALUE	
Physical Property				
Specific Gravity	23°C	D792	-	1.52
Water Absorption		D570	%	0.04
Mold Shrinkage	23°C	D955	%	1.5 - 1.5
Mechanical Property				
Tensile Strength	23°C	D638	Kg/cm ²	600
Tensile Elongation	23°C	D638	%	3.0
Flexural Strength	23°C	D790	Kg/cm ²	1,000
Flexural Modulus	23°C	D790	Kg/cm ²	39,000
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	3.6
Hardness (Rockwell)		D785	R scale	120
Thermal Property				
Melting Point		D789	°C	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/°C(X10 ⁻⁴)	0.8
Heat Distortion Temperature		D648	°C	160
	4.6kg/cm ²		°C	70
	18.6kg/cm ²		°C	70
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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