

KP 513

PBT alloy resin, Extrusion & threading application.

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		
4.6kg/cm ²		°C	150
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.

API-KOLON
Engineering Plastics

333 Enterprise Parkway • Lake Zurich • IL • 60047 • USA

Phone: 1-847-550-5556 Fax: 1-847-550-5557

Email: MaxHahn21@hotmail.com