SPESIN®

KOLON PLASTIC BUSINESS TEAM

ALLOY Grade

KP 515FLBL

PBT alloy resin, High impact strengh, high flow with black color

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23℃	D792	-	**1.4**
Water Absorption		D570	%	**0.08**
Mold Shrinkage	23℃	D955	%	**1.5 - 1.9**
Mechanical Property				
Tensile Strength	23℃	D638	Kg/㎠	**550**
Tensile Elongation	23℃	D638	%	**25.0**
Flexural Strength	23℃	D790	Kg/㎠	**870**
Flexural Modulus	23℃	D790	Kg/㎠	**20,000**
Impact Strength (Izod Notch)	23℃	D256	Kg • cm/cm	**5.5**
Hardness (Rockwell)		D785	R scale	**114**
Thermal Property				
Melting Point		D789	℃	**224**
Coefficient of Linear Thermal Expansion		D696	cm/cm/℃(X10^{-4})	**0.4**
Heat Distortion Temperature		D648		
	4.6kg/㎠		℃	**150**
	18.6kg/㎠		℃	**60**
Flammability		UL94	UL 94	**HB**
Electrical Property				
Arc Resistance	23℃	D495	sec	**110**
Dielectric Constant	23℃	D150	10^6 Hz	**3.7**
Dielectric Strength	23℃	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
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