

KP 212G30V0HI

PBT compounded resin, G/F 30% reinforced, flame retardant and High impact strengthened grade

TEST ITEM	ASTM	UNIT	VALUE
Physical Property			
Specific Gravity 23°C	D792	-	1.63
Water Absorption	D570	%	0.05
Mold Shrinkage 23°C	D955	%	0.7 - 1.0
Mechanical Property			
Tensile Strength 23°C	D638	Kg/cm ²	1,222
Tensile Elongation 23°C	D638	%	5.5
Flexural Strength 23°C	D790	Kg/cm ²	2,100
Flexural Modulus 23°C	D790	Kg/cm ²	85,000
Impact Strength (Izod Notch) 23°C	D256	Kg • cm/cm	9.6
Hardness (Rockwell)	D785	R scale	120
Thermal Property			
Melting Point	D789	°C	224
Coefficient of Linear Thermal Expansion	D696	cm/cm/ °C(X10 ⁻⁴)	0.4
Heat Distortion Temperature	D648		
4.6kg/cm ²		°C	220
18.6kg/cm ²		°C	200
Flammability	UL94	UL 94	V0
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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