

KP2122G30V0BL

PBT compounded resin, G/F 30% reinforced, flame retardant,
good flexibility on black color

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	1,450
Tensile Elongation	23°C	D638	%	7.0
Flexural Strength	23°C	D790	Kg/cm ²	2,200
Flexural Modulus	23°C	D790	Kg/cm ²	90,000
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	10.0
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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