

# KP 212G30V0N

PBT compounded resin, G/F 30% reinforced, flame retardant, high flow

TEST ITEM		ASTM	UNIT	VALUE
<b>Physical Property</b>				
Specific Gravity	23°C	D792	-	1.63
Water Absorption		D570	%	0.05
Mold Shrinkage	23°C	D955	%	0.7 - 1.0
<b>Mechanical Property</b>				
Tensile Strength	23°C	D638	Kg/cm <sup>2</sup>	1,350
Tensile Elongation	23°C	D638	%	5.0
Flexural Strength	23°C	D790	Kg/cm <sup>2</sup>	2,100
Flexural Modulus	23°C	D790	Kg/cm <sup>2</sup>	90,000
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	8.0
Hardness (Rockwell)		D785	R scale	120
<b>Thermal Property</b>				
Melting Point		D789	°C	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/°C(X10 <sup>-4</sup> )	0.4
Heat Distortion Temperature		D648		
	4.6kg/cm <sup>2</sup>		°C	225
	18.6kg/cm <sup>2</sup>		°C	200
Flammability		UL94	UL 94	V0
<b>Electrical Property</b>				
Arc Resistance	23°C	D495	sec	110
Dielectric Constant	23°C	D150	10 <sup>6</sup> 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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