

KP212G15V0W3

PBT compounded resin, G/F 15% reinforced, flame retardant, heat resistance, weather resistance, light shielding grade

TEST ITEM	ASTM	UNIT	VALUE	
Physical Property				
Specific Gravity	23°C	D792	-	1.53
Water Absorption		D570	%	0.06
Mold Shrinkage	23°C	D955	%	0.6 - 1.4
Mechanical Property				
Tensile Strength	23°C	D638	Kg/cm ²	950
Tensile Elongation	23°C	D638	%	7.0
Flexural Strength	23°C	D790	Kg/cm ²	1,700
Flexural Modulus	23°C	D790	Kg/cm ²	56,000
Impact Strength (Izod Notch)	23°C	D256	Kg • cm/cm	6.0
Hardness (Rockwell)		D785	R scale	119
Thermal Property				
Melting Point		D789	°C	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/ °C(X10 ⁻⁴)	0.4
Heat Distortion Temperature		D648	°C	215
	4.6kg/cm ²		°C	178
	18.6kg/cm ²		°C	178
Flammability		UL94	UL 94	V0
Electrical Property				
Arc Resistance	23°C	D495	sec	120
Dielectric Constant	23°C	D150	10 ⁶ Hz	3.5
Dielectric Strength	23°C	D149	KV/mm	26

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.