SPESIN® KOLON PLASTIC BUSINESS TEAM

G/F reinforced, Flame retardant Grade

KP 212G30V0M2

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

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23℃	D792	-	1.63
Water Absorption		D570	%	0.05
Mold Shrinkage	23℃	D955	%	0.7 - 1.0
Mechanical Property				
Tensile Strength	23℃	D638	Kg/㎠	1,350
Tensile Elongation	23℃	D638	%	5.0
Flexural Strength	23℃	D790	Kg/㎠	2,100
Flexural Modulus	23℃	D790	Kg/㎠	90,000
Impact Strength (Izod Notch)	23℃	D256	Kg • cm/cm	8.0
Hardness (Rockwell)		D785	R scale	120
Thermal Property				
Melting Point		D789	℃	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/℃(X10^{-4})	0.4
Heat Distortion Temperature		D648		
	4.6kg/㎠		℃	225
	18.6kg/㎠		℃	200
Flammability		UL94	UL 94	V 0
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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