SPESIN® KOLON PLASTIC BUSINESS TEAM

G/F Reinforced Grade

KP213G30W

PBT compounded resin, G/F 30% reinforced, weather resistant grade

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23℃	D792	-	1.52
Water Absorption		D570	%	0.05
Mold Shrinkage	23℃	D955	%	0.5 - 1.0
Mechanical Property				
Tensile Strength	23℃	D638	Kg/㎠	1,400
Tensile Elongation	23℃	D638	%	5.0
Flexural Strength	23℃	D790	Kg/㎠	2,150
Flexural Modulus	23℃	D790	Kg/㎠	85,000
Impact Strength (Izod Notch)	23℃	D256	Kg • cm/cm	9.0
Hardness (Rockwell)		D785	R scale	119
Thermal Property				
Melting Point		D789	℃	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/℃($X10^{-4}$)	0.4
Heat Distortion Temperature		D648		
	4.6kg/㎠		℃	220
	18.6kg/㎠		℃	205
Flammability		UL94	UL 94	HB
Electrical Property				
Arc Resistance	23℃	D495	sec	120
Dielectric Constant	23℃	D150	10^6 Hz	3.2
Dielectric Strength	23℃	D149	KV/mm	30

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
Engineering Plastics

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