SPESIN®

KOLON PLASTIC BUSINESS TEAM

Standard Grade

KP211

PBT compounded resin, Mould releasing for general purpose grade

TEST ITEM		ASTM	UNIT	VALUE
Physical Property				
Specific Gravity	23℃	D792	-	1.31
Water Absorption		D570	%	0.08
Mold Shrinkage	23℃	D955	%	1.7 - 2.3
Mechanical Property				
Tensile Strength	23℃	D638	Kg/㎠	600
Tensile Elongation	23℃	D638	%	100
Flexural Strength	23℃	D790	Kg/㎠	900
Flexural Modulus	23℃	D790	Kg/㎠	25,000
Impact Strength (Izod Notch)	23℃	D256	Kg • cm/cm	4.0
Hardness (Rockwell)		D785	R scale	118
Thermal Property				
Melting Point		D789	℃	224
Coefficient of Linear Thermal Expansion		D696	cm/cm/℃(X10^{-4})	0.8
Heat Distortion Temperature		D648		
	4.6kg/㎠		℃	155
	18.6kg/㎠		℃	60
Flammability		UL94	UL 94	HB
Electrical Property				
Arc Resistance	23℃	D495	sec	120
Dielectric Constant	23℃	D150	10^6 Hz	3.1
Dielectric Strength	23℃	D149	KV/mm	28

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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