

## PRODUCT INFORMATION

Standard Grade

# SPESIN<sup>®</sup> KP210

PBT resin, Standard extrusion grade

Property	Test Method	Units	Value
<b>Physical</b>			
Specific Gravity	ASTM D792	-	1.3
Shrinkage	ASTM D955	%	1.7~2.3
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.08
<b>Thermal</b>			
Melting Point	ASTM D3418	°C	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa ( 4.6 kg/cm <sup>2</sup> )		°C	155
HDT/A 1.82 MPa ( 18.6 kg/cm <sup>2</sup> )		°C	60
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 <sup>-4</sup> cm/cm·°C	0.8
Flammability	UL 94		HB
<b>Mechanical</b>			
Tensile Strength 23°C	ASTM D638	kg/cm <sup>2</sup>	600
Tensile Elongation 23°C	ASTM D638	%	100
Flexural Strength 23°C	ASTM D790	kg/cm <sup>2</sup>	900
Flexural Modulus 23°C	ASTM D790	kg/cm <sup>2</sup>	21,000
Notched Izod Impact Strength 23°C	ASTM D256	kg cm/cm)	4.0
Rockwell Hardness	Shore D	-	78
<b>Electrical</b>			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 <sup>6</sup> Hz	3.1
Dielectric Strength	ASTM D149	KV/mm	28

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**KOLON PLASTICS, Inc.**

KOLON TOWER, 1-22, BYULYANG-DONG, GWACHEON-CITY GYUNG GI-DO, KOREA

More information : [www.kolonplastics.com/enghome](http://www.kolonplastics.com/enghome)