

PRODUCT INFORMATION

Standard Grade

SPESIN[®] KP210K

PBT resin, Standard extrusion grade

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.3
Shrinkage	ASTM D955	%	1.7~2.3
Water Absorption 23°C, Equilibrium 60%RH	ASTM D570	%	0.08
Thermal			
Melting Point	ASTM D3418	°C	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	155
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	60
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.8
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23°C	ASTM D638	kg/cm ²	575
Tensile Elongation 23°C	ASTM D638	%	100
Flexural Strength 23°C	ASTM D790	kg/cm ²	885
Flexural Modulus 23°C	ASTM D790	kg/cm ²	23,800
Notched Izod Impact Strength 23°C	ASTM D256	kg cm/cm)	3.0
Rockwell Hardness	Shore D	-	78
Electrical			
Arc Resistance	ASTM D495	sec	120
Dielectric Constant	ASTM D150	10 ⁶ 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