

## Kolon SPESINÂ® KP270BL General Purpose PBT Compound Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

### Material Notes:

Excellent waterproofness Applications: Connectors Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-SPESIN-KP270BL-General-Purpose-PBT-Compound-Resin.php](http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP270BL-General-Purpose-PBT-Compound-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.070 %	0.070 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.018 - 0.023 cm/cm	0.018 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength	57.0 MPa	8270 psi	ASTM D638
Elongation at Break	75 %	75 %	ASTM D638
Flexural Strength	93.0 MPa	13500 psi	ASTM D790
Flexural Modulus	2.452 GPa	355.6 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot\text{Â}^\circ\text{C}$	44.4 $\mu\text{in}/\text{in}\cdot\text{Â}^\circ\text{F}$	ASTM D696
Melting Point	224 $\text{Â}^\circ\text{C}$	435 $\text{Â}^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	166 $\text{Â}^\circ\text{C}$	331 $\text{Â}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	59.0 $\text{Â}^\circ\text{C}$	138 $\text{Â}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.1	3.1	ASTM D150
Dielectric Strength	28.0 kV/mm	711 kV/in	ASTM D149
Arc Resistance	120 sec	120 sec	ASTM D495

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**