

## Kolon SPESINÂ® KP513MT25 G/F Reinforced PBT Alloy Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

High flow, dimensionally stable Applications: Head lamp bezels Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-SPESIN-KP513MT25-GF-Reinforced-PBT-Alloy-Resin.php](http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP513MT25-GF-Reinforced-PBT-Alloy-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.52 g/cc	1.52 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.040 %	0.040 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	98.0 MPa	14200 psi	ASTM D790
Flexural Modulus	3.825 GPa	554.8 ksi	ASTM D790
Izod Impact, Notched	0.350 J/cm	0.656 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)	160 $\text{Â}^\circ\text{C}$	320 $\text{Â}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 $\text{Â}^\circ\text{C}$	158 $\text{Â}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.7	3.7	ASTM D150
Dielectric Strength	27.0 kV/mm	686 kV/in	ASTM D149
Arc Resistance	110 sec	110 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**