

## Kolon SPESINÂ® KP515FLBL High Impact PBT Alloy Resin

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

### Material Notes:

High elastic, whether resistantApplications: WipersInformation provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-SPESIN-KP515FLBL-High-Impact-PBT-Alloy-Resin.php](http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP515FLBL-High-Impact-PBT-Alloy-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.080 %	0.080 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.015 - 0.019 cm/cm	0.015 - 0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength	58.0 MPa	8410 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	85.0 MPa	12300 psi	ASTM D790
Flexural Modulus	1.961 GPa	284.4 ksi	ASTM D790
Izod Impact, Notched	0.540 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 $\mu\text{m/m-}^\circ\text{C}$	22.2 $\mu\text{in/in-}^\circ\text{F}$	ASTM D696
Melting Point	224 $^\circ\text{C}$	435 $^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	150 $^\circ\text{C}$	302 $^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 $^\circ\text{C}$	140 $^\circ\text{F}$	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.**

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