

## Kolon KOPA® KN333HI5BL High Impact Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

### Material Notes:

Middle viscosity, Impact -resistant Applications A variety of fuse boxes, relax boxes Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-KOPA-KN333HI5BL-High-Impact-Nylon-66.php](http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333HI5BL-High-Impact-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Moisture Absorption at Equilibrium	1.0 %	1.0 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.016 - 0.019 cm/cm	0.016 - 0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength	59.0 MPa	8560 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	88.0 MPa	12800 psi	ASTM D790
Flexural Modulus	2.256 GPa	327.2 ksi	ASTM D790
Izod Impact, Notched	4.90 J/cm	9.18 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	33.3 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Melting Point	255 $\text{Å}^\circ\text{C}$	491 $\text{Å}^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	210 $\text{Å}^\circ\text{C}$	410 $\text{Å}^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 $\text{Å}^\circ\text{C}$	158 $\text{Å}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.1	3.1	ASTM D150
Dielectric Strength	20.0 kV/mm	508 kV/in	ASTM D149
Arc Resistance	125 sec	125 sec	ASTM D495

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

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