

## Kolon KOPA® KN333HB40HFBL Hybrid Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

High flow, dimensionally stable Applications Fans & Shrouds Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-KOPA-KN333HB40HFBL-Hybrid-Nylon-66.php](http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333HB40HFBL-Hybrid-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.40 %	0.40 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength	137 MPa	19900 psi	ASTM D638
Elongation at Break	6.5 %	6.5 %	ASTM D638
Flexural Strength	216 MPa	31300 psi	ASTM D790
Flexural Modulus	7.649 GPa	1109 ksi	ASTM D790
Izod Impact, Notched	0.540 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m/m-}^\circ\text{C}$	16.7 $\mu\text{in/in-}^\circ\text{F}$	ASTM D696
Melting Point	255 $^\circ\text{C}$	491 $^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	245 $^\circ\text{C}$	473 $^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 $^\circ\text{C}$	455 $^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.4	3.4	ASTM D150
Dielectric Strength	21.0 kV/mm	533 kV/in	ASTM D149
Arc Resistance	135 sec	135 sec	ASTM D495

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

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