

## Kolon KOPA<sup>®</sup> KN333G45 G/F Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 50% Glass Fiber Filled

### Material Notes:

G/F 45% reinforced Applications Internal gears Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-KOPA-KN333G45-GF-Reinforced-Nylon-66.php](http://www.lookpolymers.com/polymer_Kolon-KOPA-KN333G45-GF-Reinforced-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	125	125	ASTM D785
Tensile Strength	216 MPa	31300 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	333 MPa	48300 psi	ASTM D790
Flexural Modulus	12.062 GPa	1749.4 ksi	ASTM D790
Izod Impact, Notched	1.18 J/cm	2.21 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 $\mu\text{m/m-}^\circ\text{C}$	11.1 $\mu\text{in/in-}^\circ\text{F}$	ASTM D696
Melting Point	255 $^\circ\text{C}$	491 $^\circ\text{F}$	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	252 $^\circ\text{C}$	486 $^\circ\text{F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	250 $^\circ\text{C}$	482 $^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.6	3.6	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.**

**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**