

## Toyobo T-400 Nylon, 15% Glass-Reinforced

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Key Feature: G.F. 15% Information provided by Toyobo Co., Ltd

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Toyobo-T-400-Nylon-15-Glass-Reinforced.php](http://www.lookpolymers.com/polymer_Toyobo-T-400-Nylon-15-Glass-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.4 %	1.4 %	ASTM D570
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	113 MPa	16400 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Modulus of Elasticity	5.90 GPa	856 ksi	ASTM D638
Flexural Yield Strength	147 MPa	21300 psi	ASTM D790
Flexural Modulus	5.40 GPa	783 ksi	ASTM D790
Compressive Yield Strength	108 MPa	15700 psi	ASTM D695
Izod Impact, Notched	1.20 J/cm	2.25 ft-lb/in	ASTM D256
Taber Abrasion, mg/1000 Cycles	10	10	CS-17 wheel; ASTM D1044

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	19.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 $\text{°C}$	@Temperature 68.0 $\text{°F}$	
Deflection Temperature at 0.46 MPa (66 psi)	217 $\text{°C}$	423 $\text{°F}$	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	178 $\text{°C}$	352 $\text{°F}$	ASTM D648

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	4.0	4.0	ASTM D150
Dielectric Strength	23.0 kV/mm @Thickness 2.00 mm	584 kV/in @Thickness 0.0787 in	ASTM D149
Dissipation Factor	0.010	0.010	ASTM D150
Arc Resistance	110 sec	110 sec	ASTM D495
Comparative Tracking Index	550 V	550 V	IEC test

## 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