

## Nilit FRIANYL A63 TF-KV 1530 Nylon 6.6 for injection molding, 15% PTFE lubricated and 30% glass ball reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/PTFE Filled

### Material Notes:

Nylon 6.6 for injection molding. Information provided by Frisetta Polymer, which merged into Nilit Plastics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nilit-FRIANYL-A63-TF-KV-1530-Nylon-66-for-injection-molding-15-PTFE-lubricated-and-30-glass-ball-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-TF-KV-1530-Nylon-66-for-injection-molding-15-PTFE-lubricated-and-30-glass-ball-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.30 - 1.3 %	0.30 - 1.3 %	ISO 62
Water Absorption at Saturation	3.5 - 5.5 %	3.5 - 5.5 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	163 MPa	23600 psi	ISO 2039-1
Tensile Strength at Break	68.0 MPa	9860 psi	ISO 527
Elongation at Break	7.0 %	7.0 %	ISO 527
Tensile Modulus	4.10 GPa	595 ksi	ISO 527
Flexural Strength	89.0 MPa	12900 psi	ISO 178
Flexural Modulus	3.30 GPa	479 ksi	ISO 178
Charpy Impact Unnotched	5.00 J/cm <sup>2</sup>	23.8 ft-lb/in <sup>2</sup>	DIN 53453
	NB	NB	ISO 179/1eU
Charpy Impact Unnotched	2.70 J/cm <sup>2</sup>	12.8 ft-lb/in <sup>2</sup>	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	DIN 53453
	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA
Charpy Impact, Notched	0.300 J/cm <sup>2</sup>	1.43 ft-lb/in <sup>2</sup>	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	140 °C	284 °F	Continuous; FRISETTA Test Method
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ISO 75

Electrical Properties	Metric	English	Comments
Dissipation Factor	0.020 @Frequency 1e+6 Hz	0.020 @Frequency 1e+6 Hz	IEC 250
Comparative Tracking Index	550 V	550 V	CTI 100; IEC 112

## 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