

## Nilit FRIANYL B63 TF-GV 1530 Nylon 6 for injection molding, 15% PTFE lubricated, 30% glass fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6

### Material Notes:

Nylon 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-B63-TF-GV-1530-Nylon-6-for-injection-molding-15-PTFE-lubricated-30-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-B63-TF-GV-1530-Nylon-6-for-injection-molding-15-PTFE-lubricated-30-glass-fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.50 - 1.0 %	0.50 - 1.0 %	ISO 62
Water Absorption at Saturation	5.0 - 6.0 %	5.0 - 6.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0070 - 0.015 cm/cm	0.0070 - 0.015 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	8.00 GPa	1160 ksi	ISO 527
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	7.10 GPa	1030 ksi	ISO 178
Charpy Impact Unnotched	4.50 J/cm <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	DIN 53453
	NB	NB	ISO 179/1eU
	4.60 J/cm <sup>2</sup>	21.9 ft-lb/in <sup>2</sup>	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	ISO 179/1eA
	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ISO 3146 DSC
Maximum Service Temperature, Air	150 °C	302 °F	Continuous; FRISSETTA Test Method

Thermal Properties <small>Deflection Temperature at 0.46 MPa (66 psi)</small>	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	210 °C	410 °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	500 V	500 V	CTI 100; IEC 112

## Contact Songhan Plastic Technology Co.,Ltd.

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