

## Nilit FRIANYL A63 TF-GV 1530 Nylon 6.6 for injection molding, 15% PTFE lubricated and 30% glass fiber 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-GV-1530-Nylon-66-for-injection-molding-15-PTFE-lubricated-and-30-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-TF-GV-1530-Nylon-66-for-injection-molding-15-PTFE-lubricated-and-30-glass-fiber-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	0.0050 - 0.015 cm/cm	0.0050 - 0.015 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	168 MPa	24400 psi	ISO 2039-1
Tensile Strength at Break	170 MPa	24700 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	10.0 GPa	1450 ksi	ISO 527
Flexural Strength	240 MPa	34800 psi	ISO 178
Flexural Modulus	8.40 GPa	1220 ksi	ISO 178
Charpy Impact Unnotched	4.70 J/cm <sup>2</sup>	22.4 ft-lb/in <sup>2</sup>	DIN 53453
	NB	NB	ISO 179/1eU
	4.50 J/cm <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179/1eA
	1.10 J/cm <sup>2</sup>	5.24 ft-lb/in <sup>2</sup>	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC

Thermal Properties	Metric	English	Comments
Temperature, Air			FRISSETTA 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	0.020	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	550 V	550 V	CTI 100; IEC 112

## Contact Songhan Plastic Technology Co.,Ltd.

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