

## Nilit FRIANYL B63 H-TF20 Nylon 6 for injection molding, 20% PTFE lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , PTFE Filled

### Material Notes:

Nylon 6 for injection molding, heat stabilized. 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-H-TF20-Nylon-6-for-injection-molding-20-PTFE-lubricated.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-B63-H-TF20-Nylon-6-for-injection-molding-20-PTFE-lubricated.php)

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.5 - 2.5 %	1.5 - 2.5 %	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	0.0090 - 0.015 cm/cm	0.0090 - 0.015 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	115 MPa	16700 psi	ISO 2039-1
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Tensile Modulus	2.50 GPa	363 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	DIN 53453
	NB	NB	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Charpy Impact, Notched	0.900 J/cm <sup>2</sup>	4.28 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	135 °C	275 °F	Continuous; FRISSETTA Test Method
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °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	500 V	500 V	CTI 100; IEC 112

## Contact Songhan Plastic Technology Co.,Ltd.

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