

## Nilit FRIANYL A63 M2 Nylon 6.6 for injection molding, 2% molybdenum disulphide lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### 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-M2-Nylon-66-for-injection-molding-2-molybdenum-disulphide-lubricated.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-M2-Nylon-66-for-injection-molding-2-molybdenum-disulphide-lubricated.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	ISO 1183
Water Absorption	2.0 - 3.0 %	2.0 - 3.0 %	ISO 62
Water Absorption at Saturation	7.0 - 9.0 %	7.0 - 9.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.015 - 0.025 cm/cm	0.015 - 0.025 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	119 MPa	17300 psi	ISO 2039-1
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527
Elongation at Break	4.0 %	4.0 %	ISO 527
Tensile Modulus	3.50 GPa	508 ksi	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
	NB	NB	DIN 53453
	NB	NB	DIN 53453
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	DIN 53453
	0.700 J/cm <sup>2</sup>	3.33 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	90.0 °C	194 °F	Continuous; FRISSETTA Test Method

Deflection Temperature at 0.46 MPa (0.07 [ksi]) Thermal Properties	200 °C Metric	392 °F English	ISO 75 Comments
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ISO 75

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 93
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.

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