

## Nilit FRIANYL A63 HH-GV40 Nylon 6.6 for injection molding, 40% glass fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

### Material Notes:

Nylon 6.6 for injection molding, heat and hydrolysis 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-A63-HH-GV40-Nylon-66-for-injection-molding-40-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-HH-GV40-Nylon-66-for-injection-molding-40-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	1.3 - 2.3 %	1.3 - 2.3 %	ISO 62
Water Absorption at Saturation	6.0 - 8.0 %	6.0 - 8.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0050 - 0.014 cm/cm	0.0050 - 0.014 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	155 MPa	22500 psi	ISO 2039-1
Tensile Strength at Break	187 MPa	27100 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	12.5 GPa	1810 ksi	ISO 527
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 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	150 °C	302 °F	Continuous; FRISSETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	250 °C	482 °F	ISO 75

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

Electrical Properties	0.020 Metric	0.020 English	Comments
	@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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