

## Nilit FRIANYL A63 H-GV35 Nylon 6.6 for injection molding, 35% glass fiber reinforced

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

### Material Notes:

Nylon 6.6 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-A63-H-GV35-Nylon-66-for-injection-molding-35-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-H-GV35-Nylon-66-for-injection-molding-35-glass-fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.4 - 2.4 %	1.4 - 2.4 %	ISO 62
Water Absorption at Saturation	5.0 - 7.0 %	5.0 - 7.0 %	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	169 MPa	24500 psi	ISO 2039-1
Tensile Strength at Break	160 MPa	23200 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	11.2 GPa	1620 ksi	ISO 527
Flexural Modulus	8.00 GPa	1160 ksi	ISO 178
Charpy Impact Unnotched	3.80 J/cm <sup>2</sup>	18.1 ft-lb/in <sup>2</sup>	DIN 53453
	NB	NB	ISO 179/1eU
	3.00 J/cm <sup>2</sup> @Temperature -40.0 °C	14.3 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	DIN 53453
Charpy Impact Unnotched	4.50 J/cm <sup>2</sup> @Temperature -30.0 °C	21.4 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU
	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	DIN 53453
Charpy Impact, Notched	1.10 J/cm <sup>2</sup>	5.24 ft-lb/in <sup>2</sup>	ISO 179/1eA
	0.700 J/cm <sup>2</sup> @Temperature -40.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	DIN 53453

Mechanical Properties	0.800 J/cm <sup>2</sup> Metric	3.81 ft-lb/in <sup>2</sup> English	Comments ISO 179/15A
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	130 °C	266 °F	Continuous; FRISETTA 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
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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China