

## Nilit FRIANYL C73 GV15 Nylon 6.6/6 for injection molding, 15% glass fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6, 20% Glass Fiber Reinforced

### Material Notes:

Nylon 6.6/6 for injection molding, medium viscosity. Information provided by Frisetta Polymer, which merged into Nilit Plastics

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nilit-FRIANYL-C73-GV15-Nylon-666-for-injection-molding-15-glass-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-C73-GV15-Nylon-666-for-injection-molding-15-glass-fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.3 - 2.3 %	1.3 - 2.3 %	ISO 62
Water Absorption at Saturation	5.0 - 6.0 %	5.0 - 6.0 %	ISO 62
Viscosity Measurement	155	155	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0060 - 0.014 cm/cm	0.0060 - 0.014 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	160 MPa	23200 psi	ISO 2039-1
Tensile Strength at Break	100 MPa	14500 psi	ISO 527
Elongation at Break	8.0 %	8.0 %	ISO 527
Tensile Modulus	6.00 GPa	870 ksi	ISO 527
Charpy Impact Unnotched	4.50 J/cm <sup>2</sup>	21.4 ft-lb/in <sup>2</sup>	DIN 53453
	3.50 J/cm <sup>2</sup> @Temperature -40.0 °C	16.7 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	DIN 53453
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	242 °C	468 °F	ISO 3146 DSC
Maximum Service Temperature, Air	110 °C	230 °F	Continuous; FRISSETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °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