

## Nilit FRIANYL A63 CV30 Nylon 6.6 for injection molding, 30% carbon fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Carbon Fiber Filled

### Material Notes:

Nylon 6.6 for injection molding (good conductive and electrostatic properties). 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-CV30-Nylon-66-for-injection-molding-30-carbon-fiber-reinforced.php](http://www.lookpolymers.com/polymer_Nilit-FRIANYL-A63-CV30-Nylon-66-for-injection-molding-30-carbon-fiber-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.3 - 2.0 %	1.3 - 2.0 %	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	0.010 - 0.015 cm/cm	0.010 - 0.015 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	330 MPa	47900 psi	ISO 2039-1
Tensile Strength at Break	237 MPa	34400 psi	ISO 527
Tensile Modulus	21.0 GPa	3050 ksi	ISO 527
Charpy Impact Unnotched	3.20 J/cm <sup>2</sup>	15.2 ft-lb/in <sup>2</sup>	DIN 53453
	2.70 J/cm <sup>2</sup> @Temperature -40.0 °C	12.8 ft-lb/in <sup>2</sup> @Temperature -40.0 °F	DIN 53453
Charpy Impact, Notched	0.600 J/cm <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	130 °C	266 °F	Continuous; FRISSETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	258 °C	496 °F	ISO 75

Electrical Properties	Metric	English	Comments
Volume Resistivity	150 ohm-cm	150 ohm-cm	IEC 93
Dissipation Factor	0.020 @Frequency 1e+6 Hz	0.020 @Frequency 1e+6 Hz	IEC 250

## Contact Songhan Plastic Technology Co.,Ltd.

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