

Nilit FRIANYL B63 CV40 Nylon 6.6 for injection molding, 40% carbon fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% 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-B63-CV40-Nylon-66-for-injection-molding-40-carbon-fiber-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.30 g/cc	0.0470 lb/in ³	ISO 1183
Water Absorption	1.5 - 2.4 %	1.5 - 2.4 %	ISO 62
Water Absorption at Saturation	6.0 - 7.0 %	6.0 - 7.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0040 - 0.012 cm/cm	0.0040 - 0.012 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	181 MPa	26300 psi	ISO 2039-1
Tensile Strength at Break	208 MPa	30200 psi	ISO 527
Elongation at Break	1.3 %	1.3 %	ISO 527
Tensile Modulus	25.0 GPa	3630 ksi	ISO 527
Charpy Impact Unnotched	1.80 J/cm ²	8.57 ft-lb/in ²	DIN 53453
	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179/1eU
	3.00 J/cm ² @Temperature -30.0 °C	14.3 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	DIN 53453
	0.750 J/cm ²	3.57 ft-lb/in ²	ISO 179/1eA
	0.700 J/cm ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ISO 3146 DSC

Thermal Properties <small>emperature, Air</small>	Metric	English	Comments <small>; FRISETTA Test Method</small>
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	230 °C	446 °F	ISO 75

Electrical Properties	Metric	English	Comments
Volume Resistivity	80 ohm-cm	80 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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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