

Nilit FRIANYL A63 CV-CU 0550 Nylon 6.6 for injection molding, 5% carbon fiber reinforced, 50% copper filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Nylon 6.6 for injection molding 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-CV-CU-0550-Nylon-66-for-injection-molding-5-carbon-fiber-reinforced-50-copper-filled.php

Physical Properties	Metric	English	Comments
Density	2.03 g/cc	0.0733 lb/in ³	ISO 1183
Water Absorption	0.50 - 1.0 %	0.50 - 1.0 %	ISO 62
Water Absorption at Saturation	1.0 - 2.0 %	1.0 - 2.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0030 - 0.010 cm/cm	0.0030 - 0.010 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	155 MPa	22500 psi	ISO 2039-1
Tensile Strength at Break	112 MPa	16200 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	6.80 GPa	986 ksi	ISO 527
Flexural Strength	165 MPa	23900 psi	ISO 178
Flexural Modulus	7.05 GPa	1020 ksi	ISO 178
Charpy Impact Unnotched	2.30 J/cm ²	10.9 ft-lb/in ²	DIN 53453
	3.00 J/cm ²	14.3 ft-lb/in ²	ISO 179/1eU
	2.20 J/cm ² @Temperature -40.0 °C	10.5 ft-lb/in ² @Temperature -40.0 °F	DIN 53453
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA
	0.800 J/cm ²	3.81 ft-lb/in ²	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC

Thermal Properties	Metric	English	Comments
Temperature, Air	150.10	220.15	FRISSETTA Test Method

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	IEC 93

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