

Nilit FRIANYL A63 CV15 Nylon 6.6 for injection molding, 15% carbon fiber reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Carbon Fiber Filled

Material Notes:

Nylon 6.6 for injection molding (good electrical conductivity and antistatic 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-CV15-Nylon-66-for-injection-molding-15-carbon-fiber-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Water Absorption	1.8 - 2.4 %	1.8 - 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	0.014 - 0.018 cm/cm	0.014 - 0.018 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	270 MPa	39200 psi	ISO 2039-1
Tensile Strength at Break	210 MPa	30500 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527
Charpy Impact Unnotched	2.80 J/cm ²	13.3 ft-lb/in ²	DIN 53453
	2.50 J/cm ² @Temperature -40.0 °C	11.9 ft-lb/in ² @Temperature -40.0 °F	DIN 53453
Charpy Impact, Notched	0.650 J/cm ²	3.09 ft-lb/in ²	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	115 °C	239 °F	Continuous; FRISSETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	245 °C	473 °F	ISO 75

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+7 ohm-cm	1.00e+7 ohm-cm	IEC 93
Surface Resistance	1e+05 - 1.00e+6 ohm	1e+05 - 1.00e+6 ohm	
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