

Nilit FRIANYL A63 SG40 Nylon 6.6 for injection molding, 40% mineral filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

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-SG40-Nylon-66-for-injection-molding-40-mineral-filled.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183
Water Absorption	1.2 - 2.0 %	1.2 - 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	0.0090 - 0.017 cm/cm	0.0090 - 0.017 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	155 MPa	22500 psi	ISO 2039-1
Tensile Strength at Break	76.0 MPa	11000 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	4.40 GPa	638 ksi	ISO 527
Flexural Strength	115 MPa	16700 psi	ISO 178
Flexural Modulus	3.90 GPa	566 ksi	ISO 178
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	DIN 53453
	2.20 J/cm ² @Temperature -40.0 °C	10.5 ft-lb/in ² @Temperature -40.0 °F	DIN 53453
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	DIN 53453
	0.180 J/cm ² @Temperature -40.0 °C	0.857 ft-lb/in ² @Temperature -40.0 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	256 °C	493 °F	ISO 3146 DSC
Maximum Service Temperature, Air	100 °C	212 °F	Continuous; FRISSETTA Test Method

Thermal Properties Deflection Temperature at 0.46 MPa (0.07 psi)	210 °C Metric	410 °F English	ISO 75 Comments
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °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	600 V	600 V	CTI 100; IEC 112

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