Nilit FRIANYL B63 SG40 Nylon 6 for injection molding, 40% mineral filled

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 40% Mineral Filled

Material Notes:

Nylon 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-B63-SG40-Nylon-6-for-injection-molding-40-mineral-filled.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in³	ISO 1183
Water Absorption	1.5 - 2.5 %	1.5 - 2.5 %	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	0.0080 - 0.018 cm/cm	0.0080 - 0.018 in/in	FRISETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	135 MPa	19600 psi	ISO 2039-1
Tensile Strength at Break	60.0 MPa	8700 psi	ISO 527
Elongation at Break	30 %	30 %	ISO 527
Tensile Modulus	3.00 GPa	435 ksi	ISO 527
Flexural Strength	75.0 MPa	10900 psi	ISO 178
Flexural Modulus	2.70 GPa	392 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	DIN 53453
	NB @Temperature -40.0 °C	NB @Temperature -40.0 °F	DIN 53453
Charpy Impact, Notched	0.900 J/cm²	4.28 ft-lb/in²	DIN 53453

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	ISO 3146 DSC
Maximum Service Temperature, Air	105 °C	221 °F	Continuous; FRISETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	195 °C	383 °F	ISO 75
Deflection Temperature at 1.8 MPa	130 °C	266 °F	

Thermal Properties	Metric	English	Comments
(264 psi)			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	450 V	450 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