

Nilit FRIANYL B63 W-KV10 Nylon 6 for injection molding, 10% glass ball reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Nylon 6 for injection molding, heat stabilized. 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-W-KV10-Nylon-6-for-injection-molding-10-glass-ball-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Water Absorption	2.0 - 3.0 %	2.0 - 3.0 %	ISO 62
Water Absorption at Saturation	8.0 - 9.0 %	8.0 - 9.0 %	ISO 62
Viscosity Measurement	145	145	Viscosity index; ISO 307
Linear Mold Shrinkage	0.0090 - 0.018 cm/cm	0.0090 - 0.018 in/in	FRISSETTA Test Method

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	150 MPa	21800 psi	ISO 2039-1
Tensile Strength at Break	78.0 MPa	11300 psi	ISO 527
Elongation at Break	7.0 %	7.0 %	ISO 527
Tensile Modulus	3.30 GPa	479 ksi	ISO 527
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	2.80 GPa	406 ksi	ISO 178
Charpy Impact Unnotched	3.30 J/cm ²	15.7 ft-lb/in ²	ISO 179/1eU
	4.00 J/cm ²	19.0 ft-lb/in ²	DIN 53453
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	ISO 179/1eA
	0.400 J/cm ²	1.90 ft-lb/in ²	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; FRISSETTA Test Method
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75

Thermal Properties (at 1.8 MPa (26.4 psi))	Metric	English	Comments
Flammability, UL94	HB	HB	

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	575 V	575 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