

Techmer ES Plaslube® NY-1/TF/20 BK223 PA66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, PTFE Filled

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Plaslube-NY-1TF20-BK223-PA66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Water Absorption	0.70 %	0.70 %	24 Hrs; ASTM D570
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength at Break	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	4.3 %	4.3 %	ASTM D638
Flexural Strength	96.5 MPa	14000 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Compressive Strength	68.9 MPa	10000 psi	ASTM D695
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	82.8 $\mu\text{m/m-}^{\circ}\text{C}$ @Temperature 20.0 $^{\circ}\text{C}$	46.0 $\mu\text{in/in-}^{\circ}\text{F}$ @Temperature 68.0 $^{\circ}\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	93.3 $^{\circ}\text{C}$	200 $^{\circ}\text{F}$	ASTM D648
Flammability, UL94	HB @Thickness 1.59 mm	HB @Thickness 0.0625 in	

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