

Lehmann & Voss LUVOCOM[®] NSB 90 NT Polyamide 66, with PTFE

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

Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Improved friction and wear behaviour. Emergency running property. Isotropic shrinkage characteristics. Bearings, sleeves, sliding elements, control disks, gear wheels, duty parts in switches. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-NSB-90-NT-Polyamide-66-with-PTFE.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------|-----------|
| Specific Gravity | 1.17 g/cc | 1.17 g/cc | ISO 1183 |
| Water Absorption | <= 1.0 % | <= 1.0 % | 23Â°C/24h |
| Linear Mold Shrinkage | 0.015 - 0.025 cm/cm | 0.015 - 0.025 in/in | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|----------|-----------|----------|
| Tensile Stress | 60.0 MPa | 8700 psi | |
| Elongation at Yield | 10 % | 10 % | |
| Modulus of Elasticity | 2.50 GPa | 363 ksi | |
| Flexural Strength | 100 MPa | 14500 psi | |
| Flexural Modulus | 2.70 GPa | 392 ksi | |
| Coefficient of Friction, Dynamic | 0.18 | 0.18 | |
| Coefficient of Friction, Static | 0.13 | 0.13 | |

| Thermal Properties | Metric | English | Comments |
|---|----------------|-------------------------|-------------|
| CTE, linear | 60.0 Âµm/m-Â°C | 33.3 Âµin/in-Â°F | DIN 53752 |
| Thermal Conductivity | 0.230 W/m-K | 1.60 BTU-in/hr-ftÂ²-Â°F | DIN 52612 |
| Maximum Service Temperature, Air | 100 Â°C | 212 Â°F | |
| | 140 Â°C | 284 Â°F | short term |
| Deflection Temperature at 1.8 MPa (264 psi) | 95.0 Â°C | 203 Â°F | |
| Vicat Softening Point | 240 Â°C | 464 Â°F | DIN ISO 306 |
| Flammability, UL94 | HB | HB | |

| Thermal Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|----------|
| Surface Resistance | >= 1.00e+12 ohm | >= 1.00e+12 ohm | |
| Insulation Resistance | >= 1.00e+12 ohm | >= 1.00e+12 ohm | |

| Processing Properties | Metric | English | Comments |
|------------------------|--|-----------------------------------|---------------------|
| Processing Temperature | 290 Â°C | 554 Â°F | mass temp |
| Nozzle Temperature | 280 - 300 Â°C | 536 - 572 Â°F | |
| Zone 1 | 290 - 310 Â°C | 554 - 590 Â°F | |
| Zone 2 | 290 - 310 Â°C | 554 - 590 Â°F | |
| Zone 3 | 290 - 310 Â°C | 554 - 590 Â°F | |
| Mold Temperature | 90.0 - 120 Â°C | 194 - 248 Â°F | |
| Drying Temperature | 75.0 Â°C @Time 21600 - 57600 sec | 167 Â°F @Time 6.00 - 16.0 hour | Dehumidifying dryer |
| | 105 Â°C @Time 14400 - 21600 sec | 221 Â°F @Time 4.00 - 6.00 hour | Vacuum Dryer |

| Descriptive Properties | Value | Comments |
|------------------------|---------------|----------|
| Color | natural color | |

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