

Lehmann & Voss LUVOCOM® 100-7126 VP Thermoplastic polyurethane, with PTFE

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Applications: Improved friction and wear behaviour. Emergency running property. dynamic stress Bearings, sleeves, sliding elements, chair rollers, handles. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-100-7126-VP-Thermoplastic-polyurethane-with-PTFE.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--|--|-----------|
| Specific Gravity | 1.26 g/cc | 1.26 g/cc | ISO 1183 |
| Water Absorption | <= 0.40 % | <= 0.40 % | 23Â°C/24h |
| Linear Mold Shrinkage | 0.015 - 0.020 cm/cm | 0.015 - 0.020 in/in | |
| Melt Flow | 12 g/10 min @Load 10.0 kg, Temperature 190 Â°C | 12 g/10 min @Load 22.0 lb, Temperature 374 Â°F | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|----------|----------|
| Tensile Stress | 24.0 MPa | 3480 psi | |
| Elongation at Yield | 750 % | 750 % | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|---------|-------------|
| Maximum Service Temperature, Air | 90.0 Â°C | 194 Â°F | |
| | 120 Â°C | 248 Â°F | short term |
| Vicat Softening Point | 70.0 Â°C | 158 Â°F | DIN ISO 306 |

| Electrical 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 | 225 Â°C | 437 Â°F | mass temp |
| Nozzle Temperature | 210 - 230 Â°C | 410 - 446 Â°F | |
| Zone 1 | 210 - 230 Â°C | 410 - 446 Â°F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|--|---|-----------------------|
| Zone 2 | 210 - 230 Å°C | 410 - 446 Å°F | |
| Zone 3 | 210 - 230 Å°C | 410 - 446 Å°F | |
| Mold Temperature | 25.0 - 60.0 Å°C | 77.0 - 140 Å°F | |
| Drying Temperature | 60.0 - 90.0 Å°C @Time 7200 - 10800 sec | 140 - 194 Å°F @Time 2.00 - 3.00 hour | Dehumidifying dryer |
| | 100 - 110 Å°C @Time 7200 - 10800 sec | 212 - 230 Å°F @Time 2.00 - 3.00 hour | Air-Circulation Dryer |

| Descriptive Properties | Value | Comments |
|------------------------|-----------------------|----------|
| Color | natural color (white) | |

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