

Lehmann & Voss LUVOCOM® 1105-8344/GY PEEK, unreinforced

Category : Polymer , Thermoplastic , Polyketone , Polyetheretherketone (PEEK)

Material Notes:

Applications: Automotive industry, textile machinery, medical- and precision engineering, aircraft industry. Especially suitable for medical parts, superheated steam sterilizable, hydrolysis resistance High chemical resistance parts, non flammable. Inherent flame resistance. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-1105-8344GY-PEEK-unreinforced.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------|----------|
| Specific Gravity | 1.32 g/cc | 1.32 g/cc | ISO 1183 |
| Water Absorption | <= 0.50 % | <= 0.50 % | 23°C/24h |
| Linear Mold Shrinkage | 0.010 - 0.016 cm/cm | 0.010 - 0.016 in/in | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|-----------|----------|
| Tensile Stress | 95.0 MPa | 13800 psi | |
| Elongation at Yield | 4.0 % | 4.0 % | flexural |
| | 5.0 % | 5.0 % | |
| Modulus of Elasticity | 4.00 GPa | 580 ksi | |
| Flexural Strength | 150 MPa | 21800 psi | |
| Flexural Modulus | 3.00 GPa | 435 ksi | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|----------------------|
| Maximum Service Temperature, Air | 250 °C | 482 °F | |
| | 260 °C | 500 °F | short term |
| Flammability, UL94 | V-0 | V-0 | not recognized by UL |

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

| Processing Properties | Metric | English | Comments |
|------------------------|--------------|--------------|-----------|
| Processing Temperature | 390 °C | 734 °F | mass temp |
| Nozzle Temperature | 360 - 380 °C | 680 - 716 °F | |

| Processing Properties | Metric | English | Comments |
|-----------------------|-------------------------|------------------------|---------------------|
| Zone 2 | 380 - 390 °C | 716 - 734 °F | |
| Zone 3 | 390 - 400 °C | 734 - 752 °F | |
| Mold Temperature | 170 - 200 °C | 338 - 392 °F | |
| Drying Temperature | 120 °C | 248 °F | or |
| | @Time 21600 - 28800 sec | @Time 6.00 - 8.00 hour | |
| | 150 °C | 302 °F | Dehumidifying dryer |
| | @Time 10800 - 21600 sec | @Time 3.00 - 6.00 hour | |

| Descriptive Properties | Value | Comments |
|------------------------|------------|----------|
| Color | slate grey | |

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