

## Lehmann & Voss LUVOCOM® 80-7653 Polyacetal-copolymer, with carbon fiber

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Carbon Fiber Filled

### Material Notes:

Applications: Automotive industry, textile- and office machinery, apparatus- and precision engineering. Antistatic. No change of electric potential at bearings in case of separation of charge caused by transport and guiding of paper and foil. No mass temperature above 215°C!

Ventilation of machinery is recommended. Information provided by Lehmann & Voss & Co.KG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lehmann-Voss-LUVOCOM-80-7653-Polyacetal-copolymer-with-carbon-fiber.php](http://www.lookpolymers.com/polymer_Lehmann-Voss-LUVOCOM-80-7653-Polyacetal-copolymer-with-carbon-fiber.php)

| Physical Properties   | Metric               | English              | Comments |
|-----------------------|----------------------|----------------------|----------|
| Specific Gravity      | 1.46 g/cc            | 1.46 g/cc            | ISO 1183 |
| Water Absorption      | <= 0.10 %            | <= 0.10 %            | 23°C/24h |
| Linear Mold Shrinkage | 0.0090 - 0.014 cm/cm | 0.0090 - 0.014 in/in |          |

| Mechanical Properties            | Metric                 | English                    | Comments              |
|----------------------------------|------------------------|----------------------------|-----------------------|
| Tensile Stress                   | 70.0 MPa               | 10200 psi                  |                       |
| Elongation at Yield              | 2.5 %                  | 2.5 %                      |                       |
|                                  | 3.2 %                  | 3.2 %                      | flexural              |
| Modulus of Elasticity            | 7.00 GPa               | 1020 ksi                   |                       |
| Flexural Strength                | 100 MPa                | 14500 psi                  |                       |
| Flexural Modulus                 | 5.00 GPa               | 725 ksi                    |                       |
| Charpy Impact Unnotched          | 2.00 J/cm <sup>2</sup> | 9.52 ft-lb/in <sup>2</sup> | flatwise; ISO 179 1fU |
| Coefficient of Friction, Dynamic | 0.15                   | 0.15                       |                       |
| Coefficient of Friction, Static  | 0.11                   | 0.11                       |                       |

| Thermal Properties               | Metric | English | Comments             |
|----------------------------------|--------|---------|----------------------|
| Maximum Service Temperature, Air | 100 °C | 212 °F  |                      |
|                                  | 120 °C | 248 °F  | short term           |
| Flammability, UL94               | HB     | HB      | not recognized by UL |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Surface Resistance<br>Electrical Properties | $\leq 1.00\text{e}+10$ ohm<br>Metric | $\leq 1.00\text{e}+10$ ohm<br>English | Comments |
|---------------------------------------------|--------------------------------------|---------------------------------------|----------|
| Insulation Resistance                       | $\leq 1.00\text{e}+10$ ohm           | $\leq 1.00\text{e}+10$ ohm            |          |

| Processing Properties  | Metric                                | English                           | Comments              |
|------------------------|---------------------------------------|-----------------------------------|-----------------------|
| Processing Temperature | 200 Â°C                               | 392 Â°F                           | mass temp             |
| Nozzle Temperature     | 175 - 200 Â°C                         | 347 - 392 Â°F                     |                       |
| Zone 1                 | 175 - 190 Â°C                         | 347 - 374 Â°F                     |                       |
| Zone 2                 | 185 - 205 Â°C                         | 365 - 401 Â°F                     |                       |
| Zone 3                 | 180 - 200 Â°C                         | 356 - 392 Â°F                     |                       |
| Mold Temperature       | 80.0 - 120 Â°C                        | 176 - 248 Â°F                     |                       |
| Drying Temperature     | 75.0 Â°C<br>@Time 7200 - 28800<br>sec | 167 Â°F<br>@Time 2.00 - 8.00 hour | Dehumidifying dryer   |
|                        | 120 Â°C<br>@Time 7200 - 14400<br>sec  | 248 Â°F<br>@Time 2.00 - 4.00 hour | Air-Circulation Dryer |

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China