

**LUVOCOM 1-0889-4**

PA66-(CF+GF)

LEHVOSS Group

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>     | <b>Unit</b>       | <b>Test Standard</b> |
|--|------------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                   |                      |
| Molding shrinkage, parallel                        | <b>0.3</b>       | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Tensile Modulus                                    | <b>13000</b>     | MPa               | ISO 527              |
| Tensile Strength                                   | <b>205</b>       | MPa               | ISO 527              |
| Flexural modulus, 23°C                             | <b>11000</b>     | MPa               | ISO 178              |
| Charpy impact strength, +23°C                      | <b>70</b>        | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | <b>11</b>        | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | <b>245</b>       | °C                | ISO 75-1/-2          |
| Burning behav. at thickness h                      | <b>HB</b>        | class             | IEC 60695-11-10      |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Surface resistivity                                | <b>100000</b>    | Ohm               | IEC 62631-3-2        |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1320</b>      | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>75</b>        | °C                | -                    |
| Pre-drying - Time                                  | <b>6 - 16</b>    | h                 | -                    |
| Processing humidity                                | <b>≤0.1</b>      | %                 | -                    |
| Melt temperature                                   | <b>290</b>       | °C                | -                    |
| Mold temperature                                   | <b>90 - 120</b>  | °C                | -                    |
| Zone 1   | <b>290 - 310</b> | °C                | -                    |
| Zone 2   | <b>290 - 310</b> | °C                | -                    |
| Zone 3   | <b>290 - 310</b> | °C                | -                    |
| Nozzle temperature                                 | <b>280 - 300</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Applications**

Automotive, IT / Business Machine, Electrical and Electronical

**Delivery form**

Black

**Regional Availability**

North America, Europe, Asia Pacific

**Special Characteristics**

Increased electrical conductivity, Heat stabilized or stable to heat