

Technical Data Sheet

LubX[®] CV+ blue

PE-UHMW / PE 1000

Typical characteristics

- Good sliding properties even at higher load
- Good machinability
- GMP 2023/2006 EC compliant

Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione
- Industria cartaria
- Industria alimentare

| | Test method | Unit | Guideline value |
|--|------------------------|----------------------|-----------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 0,94 |
| Water absorption | DIN EN ISO 62 | % | 0,01 |
| Flammability (Thickness 3 mm / 6 mm) | UL 94 | | HB |
| Non-toxicity | | | + |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 19 |
| Elongation at break | DIN EN ISO 527 | % | >250 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 500 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | No break |
| Shore hardness | DIN EN ISO 868 | scale D | 60 |
| Sliding partner POM MOD A (0,75 m/s - 0,25 MPa) | REP – Tribology – Test | | 0,12 |
| Sliding partner POM MOD B (0,75 m/s - 0,25 MPa) | REP – Tribology – Test | | 0,13 |
| Sliding partner PA MOD (0,75 m/s - 0,25 MPa) | REP – Tribology – Test | | 0,11 |
| Sliding partner High steel grade (0,75 m/s - 0,25 MPa) | REP – Tribology – Test | | 0,17 |
| Thermal properties | | | |
| Melting temperature | ISO 11357-3 | °C | 133 ... 135 |
| Coefficient of linear thermal expansion | DIN 53752 | 10 ⁻⁶ / K | 150 ... 230 (*) |
| Service temperature, long term | Average | °C | -150 ... 80 (*) |
| Service temperature, short term (max.) | Average | °C | 130 (*) |
| Electrical properties | | | |

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| | Test method | Unit | Guideline value |
|---------------------|------------------|--------------------------|-----------------|
| Volume resistivity | DIN EN 62631-3-1 | $\Omega \cdot \text{cm}$ | $>10^{15}$ |
| Surface resistivity | DIN EN 62631-3-2 | Ω | $>10^{14}$ |

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.



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