

Technical Data Sheet

LubX[®] CV AST black

Typical characteristics

- Antistatic
- Good sliding properties
- Excellent dry-running properties
- Good wear resistance
- Food contact approvals

Typical industries

- Ingegneria meccanica e impiantistica
- Industria cartaria
- Tecnologia di trasporto e automazione
- Industria alimentare
- Prodotti da forno o dolciari
- Industria delle bevande

| | Test method | Unit | Guideline value |
|---|------------------------|----------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 0,95 |
| Water absorption | DIN EN ISO 62 | % | <0,01 |
| Flammability (Thickness 3 mm / 6 mm) | UL 94 | | HB |
| Non-toxicity | | | + |
| Moulding Compound PE | DIN ISO 1872-1 | | UHMW-PE-QCD 35-3-4 |
| Mechanical properties | | | |
| Sliding properties: partner POM (0,25 m/s - 0,25 MPa) | REP - Tribology - Test | | 0,13 |
| Yield stress | DIN EN ISO 527 | MPa | 17 |
| Elongation at yield stress | DIN EN ISO 527 | % | 14 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 750 |
| Impact strength | DIN EN ISO 179 | kJ / m ² | 50 |
| Shore hardness | DIN EN ISO 868 | scale A | 60 |
| Shore hardness | DIN EN ISO 868 | scale D | 60 |
| 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 (*) |

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| | Test method | Unit | Guideline value |
|------------------------------|------------------|----------|-----------------|
| Electrical properties | | | |
| Volume resistivity | DIN EN 62631-3-1 | Ohm * cm | $\geq 10^9$ |
| Volume resistivity | DIN EN 62631-3-1 | Ohm * cm | $\leq 10^9$ |
| Surface resistivity | DIN EN 62631-3-2 | Ohm | $\geq 10^9$ |

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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