

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

- Stavba strojů a zařízení
- Papírenský průmysl
- Dopravní technika a automatizace
- Potravinářský průmysl
- Pečivo a sladkosti
- Nápojový průmysl

| | 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 (*) |
| Electrical properties | | | |

Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0
info@roechling-plastics.com • www.roechling.com/industrial/haren

Print: 27/07/2024 • Release: 20/09/2023 • Version: 2.0

PIM-Version: 597 • PIM-ID: 591220 • PIM-Code: 597-18-15.222.12.142.8-5.8.11.5.5.6-5



| | Test method | Unit | Guideline value |
|---------------------|------------------|--------------------------|-----------------|
| Volume resistivity | DIN EN 62631-3-1 | $\Omega \cdot \text{cm}$ | $\geq 10^9$ |
| Volume resistivity | DIN EN 62631-3-1 | $\Omega \cdot \text{cm}$ | $\leq 10^9$ |
| Surface resistivity | DIN EN 62631-3-2 | | $\geq 10^9$ |

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.



Röchling Industrial SE & Co. KG

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0
info@roechling-plastics.com • www.roechling.com/industrial/haren

Print: 27/07/2024 • Release: 20/09/2023 • Version: 2.0

PIM-Version: 597 • PIM-ID: 591220 • PIM-Code: 597-18-15.222.12.142.8-5.8.11.5.5.6-5

Page 2 / 2 (Dates in DD/MM/YYYY)

