

Technical Data Sheet

LubX[®] C white

Typical characteristics

- Energy-saving
- Especially aligned to POM and Steel
- Noise-reducing
- Coefficient of friction with POM as sliding partner up to 75% less than of PE-UHMW
- Coefficient of friction with steel as sliding partner up to 60% less than of PE-UHMW
- Food compliant according to 10/2011/EU, 1935/2004/EC, FDA

Typical industries

- Stavba strojů a zařízení
- Dopravní technika a automatizace
- Potravinářský průmysl
- Zpracování masa, ryb a dřevě
- Pečivo a sladkosti
- Nápojový průmysl

| | Test method | Unit | Guideline value |
|-------------------------------------------------------|------------------------|---------------------|--------------------|
| General properties | | | |
| Density | DIN EN ISO 1183-1 | g / cm ³ | 0,93 |
| 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 | | 0,08 |
| Sliding properties: partner POM (0,25 m/s - 0,25MPa) | REP - Tribology - Test | | 0,11 |
| Yield stress | DIN EN ISO 527 | MPa | 19 |
| Elongation at break | DIN EN ISO 527 | % | >50 |
| 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 |
| Thermal properties | | | |

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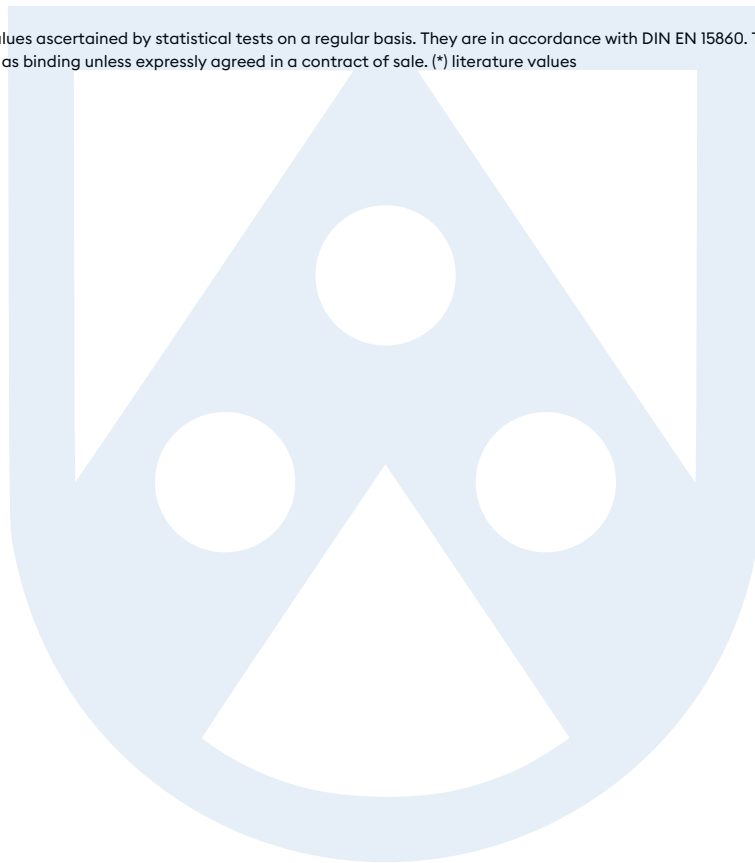
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Print: 26/12/2024 • Release: 19/11/2024 • Version: 3,0
 PIM-Version: 573 • PIM-ID: 718600 • PIM-Code: 573-53-12.10.13.11.11-5.11.5.5.6-4



| | Test method | Unit | Guideline value |
|-----------------------------------------|------------------|----------------------|-------------------|
| 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 | | | |
| Volume resistivity | DIN EN 62631-3-1 | Ω * 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. (*) literature values



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