

Technical Data Sheet

LubX[®] AST black extruded

PE-UHMW / PE 1000

Typical characteristics

- Antistatic
- Good dry-running properties
- Good wear resistance
- Good sliding properties

Typical industries

- Mechanical Engineering Industry
- Conveyor Technology & Automation
- Food Industry
- Meat, Fish and Poultry Processing
- Bakery and Confectionery
- Beverage Industry

| | 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 |
| Mechanical properties | | | |
| Yield stress | DIN EN ISO 527 | MPa | 20 |
| Elongation at break | DIN EN ISO 527 | % | >50 |
| Tensile modulus of elasticity | DIN EN ISO 527 | MPa | 650 |
| Notched impact strength | DIN EN ISO 179 | kJ / m ² | no break |
| 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 | | | |
| Surface resistivity | DIN EN 62631-3-2 | Ω | 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. (*) literature values

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