

### Technical Data Sheet

## LubX<sup>®</sup> AST black extruded

PE-UHMW / PE 1000

#### Typical characteristics

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

#### Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione
- Industria alimentare
- lavorazione carne, pesce e pollame
- Prodotti da forno o dolciari
- Industria delle bevande

|   | Test method       | Unit                 | Guideline value   |
|---|-------------------|----------------------|-------------------|
| <b>General properties</b>               |                   |                      |                   |
| Density                                 | DIN EN ISO 1183-1 | g / cm <sup>3</sup>  | 0,94              |
| Water absorption                        | DIN EN ISO 62     | %                    | <0,01             |
| Flammability (Thickness 3 mm / 6 mm)    | UL 94             |                      | HB                |
| <b>Mechanical properties</b>            |                   |                      |                   |
| 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 <sup>2</sup>  | no break          |
| Shore hardness                          | DIN EN ISO 868    | scale D              | 60                |
| <b>Thermal properties</b>               |                   |                      |                   |
| Melting temperature                     | ISO 11357-3       | °C                   | 133 - 135         |
| Coefficient of linear thermal expansion | DIN 53752         | 10 <sup>-6</sup> / K | 150 - 230 (*)     |
| Service temperature, long term          | Average           | °C                   | -150 ... 80 (*)   |
| Service temperature, short term (max.)  | Average           | °C                   | 130 (*)           |
| <b>Electrical properties</b>            |                   |                      |                   |
| Surface resistivity                     | DIN EN 62631-3-2  | Ω                    | < 10 <sup>9</sup> |

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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