

Technical Data Sheet

LubX® C - ASTM

Typical characteristics

- Energy-saving
- Especially aligned to POM and Steel
- 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
- Suitable for contact with foodstuffs (FDA/21CFR177.1520)
- Noise-reducing
- Excellent sliding properties even at higher load
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- FDA Compliant

Typical industries

- Mechanical Engineering Industry
- Building industry
- Conveyor Technology & Automation
- Food Industry
- Bakery and Confectionery
- Beverage Industry

| | Test method | Unit | Guideline value |
|------------------------------------|-------------|----------|----------------------|
| General properties | | | |
| Water Absorption | ASTM D570 | % | <0.01 |
| Mechanical properties | | | |
| Hardness | ASTM D2240 | Shore D | 60 |
| Tensile Strength at yield 73°F | ASTM D638 | psi | 2700 |
| Elongation at Break | ASTM D638 | % | >250 |
| Thermal properties | | | |
| CTE, linear | ASTM D696 | 1/K | 1.0x10 ⁻⁴ |
| Melting Point | | °F | 275 |
| Maximum Service Temperature, Air | | °F | 180 |
| Heat Deflection Temperature 264psi | ASTM D648 | °F | 108 |
| Flammability, UL94 | | 1/8 inch | HB |



| | Test method | Unit | Guideline value |
|------------------------------|-------------|--------|-----------------|
| Electrical properties | | | |
| Volume Resistivity | ASTM D257 | Ωcm | $>10^{15}$ |
| Surface resistivity | ASTM D257 | Ohm/cm | $>10^{12}$ |
| Compliance properties | | | |
| FDA | | | Yes |
| NSF | | | No |
| USDA | | | Yes |

The data stated above are average values ascertained by statistical tests on a regular basis. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

