

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

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	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.

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

