

## Technical Data Sheet

# LubX<sup>®</sup> C - ASTM

PE-UHMW / PE 1000

### Typical characteristics

- Energy-saving
- 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
- Noise-reducing
- Good sliding properties even at higher load
- FDA compliant

### Typical industries

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

	Test method	Unit	Guideline value
<b>General properties</b>			
Water Absorption	ASTM D570	%	0.01
<b>Mechanical properties</b>			
Hardness	ASTM D2240	Shore D	60
Tensile Strength at yield 73°F	ASTM D638	psi	2700
Elongation at Break	ASTM D638	%	>250
<b>Thermal properties</b>			
CTE, linear	ASTM D696	1/K	1.0x10 <sup>-4</sup>
Melting Point		°F	275
Maximum Service Temperature, Air		°F	180
Heat Deflection Temperature 264psi	ASTM D648	°F	108
Flammability, UL94		1/8 inch	HB
<b>Electrical properties</b>			
Volume Resistivity	ASTM D257	Ωcm	>10 <sup>15</sup>
Surface resistivity	ASTM D257	Ω/cm	>10 <sup>12</sup>
<b>Compliance properties</b>			

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	Test method	Unit	Guideline value
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)

