

Technical Data Sheet

LubX[®] 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
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
Electrical properties			
Volume Resistivity	ASTM D257	Ωcm	>10 ¹⁵
Surface resistivity	ASTM D257	Ω/cm	>10 ¹²
Compliance properties			

ri-inquiry@roechling.com • www.roechling.com/industrial/materials



	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.



ri-inquiry@roechling.com • www.roechling.com/industrial/materials

Print: 20/04/2026 • Release: 16/10/2024 • Version: 2.0
PIM-ID: 717941 • PIM-Code: 79-11-12.13.11.13.16.15-5.6.11.5.5-2
Company-IDs: 23070

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

