

### Technical Data Sheet

## LubX<sup>®</sup> CV natural

PE-UHMW / PE 1000

#### Typical characteristics

- Good sliding properties even at higher load
- Good dry-running properties
- FDA compliant
- Good machinability
- GMP 2023/2006 EC compliant

#### Typical industries

- 기계 공학 산업
- 컨베이어 기술 및 자동화
- Food Industry
- Meat, Fish and Poultry Processing
- Bakery and Confectionery
- Beverage Industry

	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
Non-toxicity			+
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	19
Elongation at break	DIN EN ISO 527	%	>250
Tensile modulus of elasticity	DIN EN ISO 527	MPa	800
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	no break
Shore hardness	DIN EN ISO 868	scale D	60
Sliding properties: partner POM (0,5 m/s - 0,5 MPa)	REP – Tribology – Test		0,13
<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>			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10 <sup>15</sup>

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 15/12/2025 • Release: 23/05/2025 • Version: 3.0  
 PIM-Version: 792 • PIM-ID: 718591 • PIM-Code: 792-42-16.18.15.70.15-5.11.5.5.6-4  
 Company-IDs: 20000-1

Page 1 / 2 (Dates in DD/MM/YYYY)



	Test method	Unit	Guideline value
Surface resistivity	DIN EN 62631-3-2	$\Omega$	$>10^{14}$

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



[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)

Print: 15/12/2025 • Release: 23/05/2025 • Version: 3.0  
PIM-Version: 792 • PIM-ID: 718591 • PIM-Code: 792-42-16.18.15.70.15-5.11.5.5.5.6-4  
Company-IDs: 20000-1

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

