

### Technical Data Sheet

## LubX<sup>®</sup> CV natural

#### Typical characteristics

- Excellent sliding properties even at higher load
- Excellent dry-running properties
- Food compliant according to 10/2011/EU, 1935/2004/EC, FDA
- Good machinability
- GMP compliant according to 2023/2006 EC

#### Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione
- Industria alimentare
- lavorazione carne, pesce e pollame
- Prodotti da forno o dolciari
- Industria delle bevande

	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 (*)

	Test method	Unit	Guideline value
<b>Electrical properties</b>			
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	>10 <sup>15</sup>
Surface resistivity	DIN EN 62631-3-2	Ohm	>10 <sup>14</sup>

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



**Röchling Industrial SE & Co. KG**

Röchlingstr. 1 • 49733 Haren (Ems)/Germany (DE) • Tel. +49 5934 701-0  
 info@roechling-plastics.com • www.roechling.com/industrial/haren

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

