Technical Data Sheet

LubX® CV+ blue

PE-UHMW / PE 1000

Typical characteristics

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

Typical industries

- Mechanical Engineering Industry
- Conveyor Technology & Automation
- Paper Industry
- Food Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	0,94
Water absorption	DIN EN ISO 62	%	<0,01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Non-toxicity			+
Mechanical properties			
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	500
Notched impact strength	DIN EN ISO 179	kJ / m^2	No break
Shore hardness	DIN EN ISO 868	scale D	60
Sliding partner POM MOD A (0,75 m/s - 0,25 MPa)	REP – Tribology – Test		0,12
Sliding partner POM MOD B (0,75 m/s - 0,25 MPa)	REP – Tribology – Test		0,13
Sliding partner PA MOD (0,75 m/s - 0,25 MPa)	REP – Tribology – Test		0,11
Sliding partner High steel grade (0,75 m/s - 0,25 MPa)	REP – Tribology – Test		0,17
Thermal properties			
Melting temperature	ISO 11357-3	°C	133 ... 135
Coefficient of linear thermal expansion	DIN 53752	10^{-6} / K	150 ... 230 (*)
Service temperature, long term	Average	°C	-150 ... 80 (*)
Service temperature, short term (max.)	Average	°C	130 (*)
Electrical properties			

	Test method	Unit	Guideline value
Volume resistivity	DIN EN 62631-3-1	Ω * cm	$>10^{15}$
Surface resistivity	DIN EN 62631-3-2	Ω	$>10^{14}$

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.