

Technical Data Sheet

LubX[®] CV AST black

Typical characteristics

- Antistatic
- Good sliding properties
- Excellent dry-running properties
- Good wear resistance
- Food contact approvals

Typical industries

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

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,95
Water absorption	DIN EN ISO 62	%	<0,01
Flammability (Thickness 3 mm / 6 mm)	UL 94		HB
Non-toxicity			+
Moulding Compound PE	DIN ISO 1872-1		UHMW-PE-QCD 35-3-4
Mechanical properties			
Sliding properties: partner POM (0,25 m/s - 0,25 MPa)	REP - Tribology - Test		0,13
Yield stress	DIN EN ISO 527	MPa	17
Elongation at yield stress	DIN EN ISO 527	%	14
Tensile modulus of elasticity	DIN EN ISO 527	MPa	750
Impact strength	DIN EN ISO 179	kJ / m ²	50
Shore hardness	DIN EN ISO 868	scale A	60
Shore hardness	DIN EN ISO 868	scale D	60
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 (*)

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	Test method	Unit	Guideline value
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	$\geq 10^9$
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	$\leq 10^9$
Surface resistivity	DIN EN 62631-3-2	Ohm	$\geq 10^9$

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.



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