

## Technical Data Sheet

# LubX<sup>®</sup> AST black extruded

PE-UHMW / PE 1000

### Typical characteristics

- Antistatic
- Good dry-running properties
- Good wear resistance
- Good sliding properties

### Typical industries

- Mechanical Engineering Industry
- Conveyor Technology & Automation
- 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
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	20
Elongation at break	DIN EN ISO 527	%	>50
Tensile modulus of elasticity	DIN EN ISO 527	MPa	650
Notched impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	no break
Shore hardness	DIN EN ISO 868	scale D	60
<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>			
Surface resistivity	DIN EN 62631-3-2	Ω	< 10 <sup>9</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

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

Print: 22/06/2026 • Release: 20/09/2023 • Version: 2.0  
 PIM-ID: 718561 • PIM-Code: 1061-24-16.18.143.223-5.11.5.5.6-4  
 Company-IDs: 20000-1

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





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

Print: 22/06/2026 • Release: 20/09/2023 • Version: 2.0  
PIM-ID: 718561 • PIM-Code: 1061-24-16.18.143.223-5.11.5.5,5.6-4  
Company-IDs: 20000-1

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

