

Technical Data Sheet

LubX[®] S grey extruded

PE-UHMW / PE 1000

Typical characteristics

- El ahorro de energía
- Especialmente alineado con el compañero deslizante PET
- Conformidad alimentaria según 10/2011/UE
- Buena resistencia al desgaste

Typical industries

- Construcción de máquinas e instalaciones
- Sistemas de transporte y automatización

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	0,93
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			
Yield stress	DIN EN ISO 527	MPa	19
Elongation at yield stress	DIN EN ISO 527	%	>50
Elongation at break	DIN EN ISO 527	%	>50
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 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 (*)
Electrical properties			

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

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.



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Print: 16/06/2026 • Release: 21/03/2025 • Version: 3.0
 PIM-ID: 710145 • PIM-Code: 1002-26-12.12.15.143-5,11-5
 Company-IDs: 20000-1

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