

### Technical Data Sheet

## LubX<sup>®</sup> AST white

PE-UHMW / PE 1000

#### Typical characteristics

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

#### Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione
- Industria alimentare
- 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>	0,95
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
<b>Mechanical properties</b>			
Yield stress	DIN EN ISO 527	MPa	15
Elongation at yield stress	DIN EN ISO 527	%	23
Tensile modulus of elasticity	DIN EN ISO 527	MPa	510
Impact strength	DIN EN ISO 179	kJ / m <sup>2</sup>	50
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>			
Volume resistivity	DIN EN 62631-3-1	Ω * cm	≤10 <sup>9</sup>
Surface resistivity	DIN EN 62631-3-2	Ω	≤10 <sup>9</sup>

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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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