

Technical Data Sheet

LubX[®] 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
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
Mechanical properties			
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 ²	no break
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			
Surface resistivity	DIN EN 62631-3-2	Ω	< 10 ⁹

