

Technical Data Sheet

G-LUB BLU

Typical characteristics

- Excellent sliding properties even at higher load
- Excellent dry-running properties
- Food compliant according to 10/2011/EU, 1935/2004/EC, FDA
- Good machinability
- GMP compliant according to 2023/2006 EC

Typical industries

- Ingegneria meccanica e impiantistica
- Industria cartaria
- Tecnologia di trasporto e automazione
- Industria alimentare
- lavorazione carne, pesce e pollame
- Prodotti da forno o dolciari
- Industria delle bevande

	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
Non-toxicity			+
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	19
Elongation at break	DIN EN ISO 527	%	>250
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 D	60
Sliding properties: partner POM (0,5 m/s - 0,5 MPa)	REP – Tribology – Test		0,13
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 (*)
	Test method	Unit	Guideline value
Electrical properties			
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ohm	>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. (*) literature values

Technical Data Sheet

G-LUB GRIGIO

Typical characteristics

- Energy-saving
- Especially aligned to the sliding partner PET
- Food compliant according to 10/2011/EU
- Good wear resistance

Typical industries

- Ingegneria meccanica e impiantistica
- Tecnologia di trasporto e automazione

	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			

	Test method	Unit	Guideline value
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	≥10 ¹⁵
Volume resistivity	DIN EN 62631-3-1	Ohm * cm	>10 ¹⁵
Surface resistivity	DIN EN 62631-3-2	Ohm	≥10 ¹⁴

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