

Material:LiNOTAMGLiDE



Short description of Material:Application examples:

LiNOTAMGLiDE is a LiNOTAM with embedded, fine distributed oil. LiNOTAMGLiDE has self-lubricating properties and a excellent wear resistance with a low coefficient of friction.

- Gears
- Sliding bearings
- Sliding strips & -plates
- Castors
- Teleskopik guide
- chain guiding strips / chain deflections

Colours: black (other colors on request)

Mechanical values		Dry	Humid
Density	ISO 1183g/cm ³	1,14	
Yield stress	ISO 527	8055	MPa
Elongtion due to tearing	ISO 527	50120	%
Modulus of elasticity resulting from tensile test	ISO 527	2.8001/700	MPa
Modulus of elasticity resulting from bending test	ISO 178	3.0001/900	MPa
Flexural strength	ISO 178	13555	MPa
Impact strength ¹⁾	ISO 179	o.B.. /w.b.	KJ/m ²
Notched-bar impact strength	ISO 179	>5>15	KJ/m ²
Ball indentation hardness H _{358/30}	ISO 2039-1	150100	MPa
Creep rate stress at 1% elongation ²⁾	DIN 53 444MPa	>7	
Sliding friction coefficient against steel (dry running) ³⁾	-	0,150/2	-
Sliding wear against steel (dry running) ³⁾	-µm/km	0,03	
Thermal values			
Melting temperature	ISO 3146°C	+220	
Thermal conductivity	DIN 52 612W/(K*m)	0,23	
Specific thermal capacity	-J/(g*K)	1,7	
Coefficient of thermal expansion ⁴⁾	-	7-8	10 ⁻⁵ *K ⁻¹
Operating temperature range (longterm) ⁵⁾	-	-40+105	°C
Operating temperature range(short-term) ⁵⁾	-°C	+160	
Fire behaviour	UL 94-	HB	
Electrical values			
Dielectric constant ⁶⁾	IEC 250	3,7-/	-
Dielectric loss factor ⁶⁾	IEC 250	0,03-/	-
Specific volume resistance	IEC 93	1010 /	¹² Ω
Surface resistance	IEC 93	1010 /	¹² Ω*cm
Dielectric strength	IEC 243	5020	KV/mm
Creep current resistance	IEC 112-	CTI 600	
Miscellaneous data			
Moisture absorption in normal climate until saturated	DIN 53 715%	1,8	
Water absorption until saturated	ISO 62%	5,5	

¹⁾ Measured with a pendulum impact testing machine 0,1 DIN 51 222

²⁾ Tension resulting in 1% total elongation after 1.000h

³⁾ Against steel, hardened and ground

P = 0,05 Mpa; V = 0,6m/s; t = 60 °C near runing surface

⁴⁾ For a temperature range of + 23 °C up to + 60 °C

⁵⁾ Experience values established with finished parts that are not under any stress in heated air, depending on the type and form of heat exposure, short-term = max. 1 h, long-term = months

⁶⁾ at 10⁶ Hz

w.b.=without breakage
 1 Mpa= 1 N/mm²
 1 g/cm³=1.000kg/m³
 1 kv/mm=1 MV/m