Frenos Sauleda s.a.
science friction

ID MATERIAL: 34
RBLE: R. ANTICH
REVISION: 5
DATE: 23/05/2014

FRICTION MATERIAL:

LO31

> DESCRIPTION

LO31 is a rigid molded friction material. The main characteristics are the low dynamic friction coefficiency, having the lowest friction in the range of Frenos Sauleda materials.

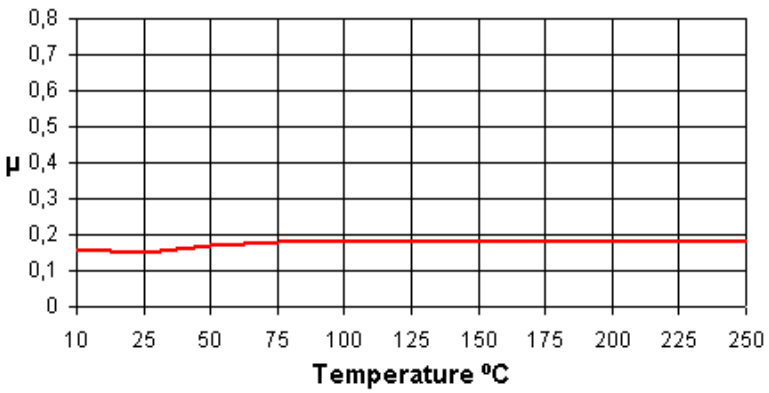
LO31 consists essentially of resins as a link system with frictional modifier agents. This material has good mechanical properties, is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

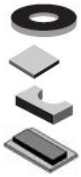
> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.18	ц
Wear Rate (@79N, 7m/s)	22	mm^3/kwh
Tº Fading (@100N, 11.5m/s)	200	ºC
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	80±5	Shore-D
Specific Gravity (ASTM D792-91)	1.89	gr/cm^3
>MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	37	N/mm^2
Compressive Strength (UNE 53205)	130	N/mm^2
Poison Coefficient	0.24	
Young Modulus (ASTMD 638-10)	11923	N/mm^2
> RECOMMENDED WORKING VALUES		
Tº Max. Continuous Operation	150	ºC
Tº Max. Intermittent Operation	200	ºC

MATERIAL TYPE	Ridgid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	• Industrial clutches • Continuous brakes • Callipers for industrial applications
PRICE LEVEL	€€€
REACH (EC)1907/2006	Compliance
RoHS 2011/65/EU	Compliance

Friction coefficient (μ) vs Temperature (ºC) @80psi 7m/s



> LEGEND



Discs

Sheets

Finished Parts

Bonded

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