Frenos Sauleda s.a.
science friction

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ID Material	1
Responsable	R. Antich
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G95

The G95 is our standard formulation at Frenos Sauleda and is principally intended for automotive clutch applications. Under normal operating conditions, G95 is a very reliable, hard wearing and economic material. The glass fiber reinforcement yarn is spiral woven with a fine copper core to produce a strong material with good heat transfer characteristics. G95 facings combines high resistance of bursting with smooth behaviour. Frenos Sauleda clutch facings are suitable for automobiles and trucks. G95 is a medium high friction material with stable performance, low rate of wear and guarantees a long life performance.

Material data

Friction properties

Static Friction Coefficient (@15bar, from the box)	0.55±0.05 μ
Static Friction Coefficient (@15bar, 100ºC)	0.60±0.05 μ
Dynamic Friction Coefficient (10bar, 10m/s)	0.55±0.05
Wear Rate (@10bar, 15m/s)	25 (at 150 ºC)
Tº Fading (@10bar, 10m/s)	>300 °C

Physical properties

Hardness (DIN53505)	80±5 Shore-D
Specific Gravity (ASTM D792)	1.87±0.05 gr/cm3
Ignition Loss (ASTM D7348)	40±2 %
Thermal Conductivity (ASTM E1952)	0.244±0.03 W/m°K

Mechanical properties

Compressive Strength (ISO 844:2014)	120±5 N/mm²
Burst Resistant (200 x 137 x 3,5)@200ºC	10500±100 RPM

Recommended Working Values

Tº Max. Continuous Operation	250 °C
Tº Max. Intermittent Operation	350 °C

Material type

Yarn

Appearance / Formats



Applications

Industrial clutches · Trucks clutches · Vehicles clutches

Price Level

€ € €

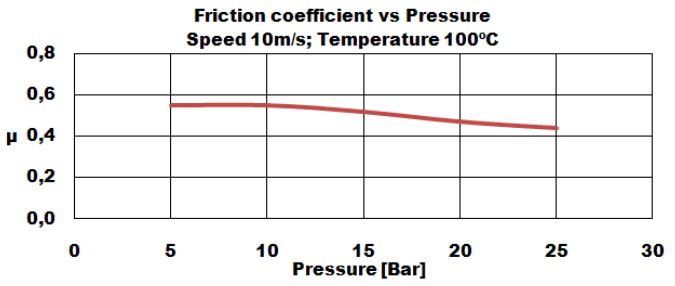
Reach (EC)1907/2023 - RoHS 2015/863/EU

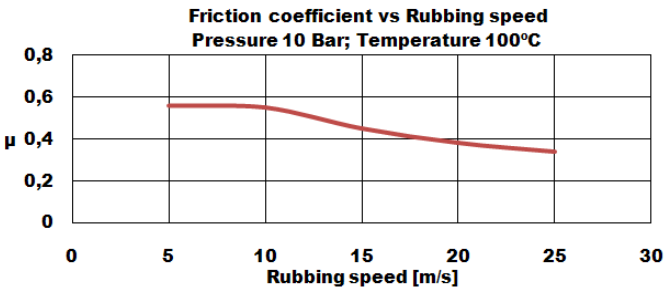
Compliance

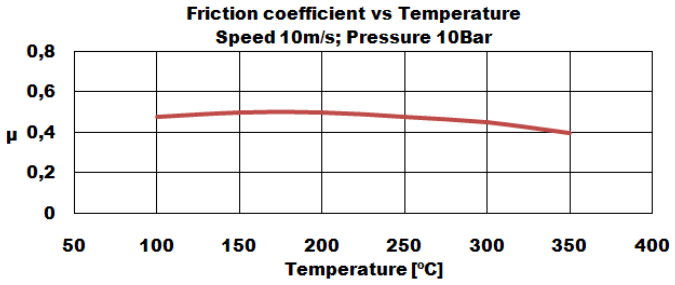
Others

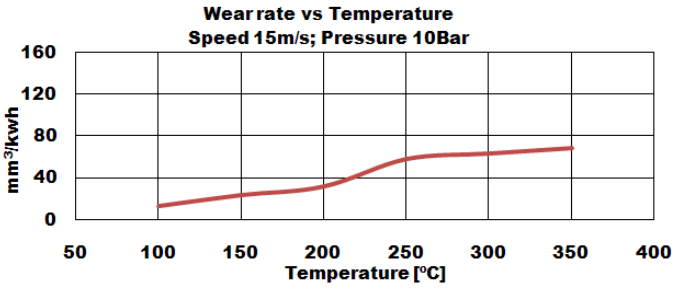
Recommended Mating Surface	Perlitic cast iron, hardness HB150-200
Recommended Adhesives	Thermosetting adhesive
Oil Resistant	Yes

Charts









Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.