

ID Material: 1
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G95

Description

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 table

Fiction properties

Dynamic Friction Coefficient (@79N, 7m/s):	0.45±0.05	μ
Wear Rate (@79N, 7m/s):	70±10	mm ³ /Kwh
T° Fading (@100N, 11.5m/s):	260±10	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	1.85±0.05	gr/cm3
Ignition Loss (ASTM D-2524):	40±2	%

Mechanical properties

Compressive Strength (UNE 53205):	120±10	N/mm ²
Burst Resistant (200 x 137 x 3,5)@200°C:	8500±100	RPM

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Woven yarn

Appearance



Formats



Applications

Industrial clutches - Trucks clutches - Vehicles clutches -

Price Level : € € €

Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

Others

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

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

