

ID Material: 1
Rble: R. Antich
Revision: 5
Last updated: 07/05/2018

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 (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.60±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.55±0.05	μ
Wear Rate (10bar, 15m/s):	70±10	mm ³ /kwh
T° Fading (10bar, 10m/s):	>300°C	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792-91):	1.87±0.05	gr/cm3
Ignition Loss (ASTM D-2524):	40±2	%
Thermal Conductivity (ASTM E1952-01):	0.244±0.03	W/m ² K

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

