

ID Material: 1
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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 (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 ² Fading (10bar, 10m/s): | 300±10 | °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 | % |

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 |

