

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 <sup>3</sup> /Kwh |
| T <sup>2</sup> 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 <sup>2</sup> |
| 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                                    |

