



ID MATERIAL: 8
RBLE: R. ANTICH
REVISION: 5
DATE: 23/05/2014

FRICTION MATERIAL:



G98

> DESCRIPTION







G98 is an evolution of the existing G95 material with increased hard- and stiffness. Frenos Sauleda clutch facings are suitable for automobiles and trucks. G98 is a medium high friction material with a stable performance. The hardness of this material allows it to work with a smooth behaviour.

> MATERIAL TABLE

| > FRICTION PROPERTIES | Value | Unit |
|--|-----------|----------------------|
| Dynamic Friction Coefficient (@79N, 7m/s) | 0.45±0.05 | μ |
| Wear Rate (@79N, 7m/s) | 80±10 | mm ³ /kwh |
| T ^o Fading (@100N, 11.5m/s) | 270±10 | °C |
| > PHYSICAL PROPERTIES | | |
| Hardness (DIN53505) | 85±5 | Shore-D |
| Specific Gravity (ASTM D792-91) | 1.85±0.05 | gr/cm ³ |
| Ignition Loss (ASTM D-2524) | 38±2 | % |
| Acetone Extraction ISO2859-1 | 1.2±0.2 | % |
| > MECHANICAL PROPERTIES | | |
| Compressive Strength (UNE 53205) | 120±5 | N/mm ² |
| Burst Resistant (200 x 137 x 3,5)@200 °C | 10500±100 | RPM |
| > RECOMMENDED WORKING VALUES | | |
| T ^o Max. Continuous Operation | 250 | °C |
| T ^o Max. Intermittent Operation | 350 | °C |

| | |
|-----------------------------------|---|
| MATERIAL TYPE | Woven yarn friction material |
| APPEARANCE |  |
| FORMATS |  |
| APPLICATIONS | • Vehicle clutches |
| RECOMMENDED MATING SURFACE | Perlitic cast iron, hardness HB150-200 |
| OIL RESISTANT | Yes |
| RECOMMENDED ADHESIVE | Thermosetting adhesive |
| PRICE LEVEL | € € € |
| REACH (EC)1907/2006 | Compliance |
| RoHS 2011/65/EU | Compliance |

> LEGEND

| | |
|--|----------------|
|  | Discs |
|  | Sheets |
|  | Finished Parts |
|  | Bonded |
|  | Grooved |
|  | Drilled |

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

