

ID Material: 35
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FAG/TW

FAG/TW is a green moulded friction material. The basic materials which are used are: phenol resins and a NBR as the bonding system, organic and mineral fibres and friction modifiers. Offers high wear and temperature resistance, It is rigid material with good hardness and mechanical strength. FAG/TW fully cured and is suitable for bonding and riveting.

Material data

Friction properties (according graphics)

| | | |
|--|-----------|---------|
| Static Friction Coefficient (15bar, from box): | 0.50±0.05 | μ |
| Static Friction Coefficient (15bar, 100°C): | 0.50±0.05 | μ |
| Dynamic Friction Coefficient (10bar, 10m/s): | 0.47±0.05 | μ |
| Wear Rate (79N, 7m/s): | 40±10 | mm³/Kwh |
| T° Fading (100N, 11.5m/s): | 330±10 | °C |

Physical properties

| | | |
|----------------------------------|-----------|---------|
| Hardness (DIN53505): | 90±5 | Shore-D |
| Specific Gravity (ASTM D792-91): | 1.90±0.05 | gr/cm³ |
| Ignition Loss (ASTM D-2524): | 40±2 | % |
| Acetone Extraction ISO2859-1: | 2±0.2 | % |

Mechanical properties

| | | |
|-----------------------------------|-------|-------|
| Tensile Strength (ASTM D638-10): | 14±5 | N/mm² |
| Compressive Strength (UNE 53205): | 160±5 | N/mm² |

Recommended Working Values

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

Material type : Rigid material

Appearance / Formats



Applications

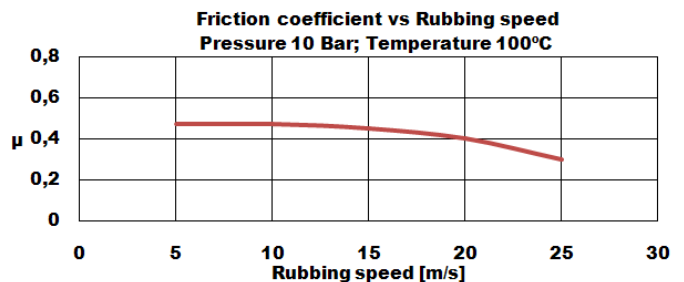
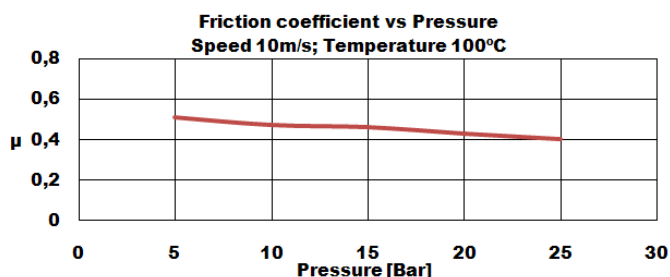
Forging machinery - Gear discs for industrial devices - Heavy loaded Winches and Cranes - Heavy-duty industrial machinery - Punch-die press blocks - Rings segments for machinery - Torque limiter -

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 |



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.