

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	mm <sup>3</sup> /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/cm <sup>3</sup>
Ignition Loss (ASTM D-2524):	40±2	%
Acetone Extraction ISO2859-1:	2±0.2	%

### Mechanical properties

Tensile Strength (ASTM D638-10):	14±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205):	170±5	N/mm <sup>2</sup>

### 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 : € € €

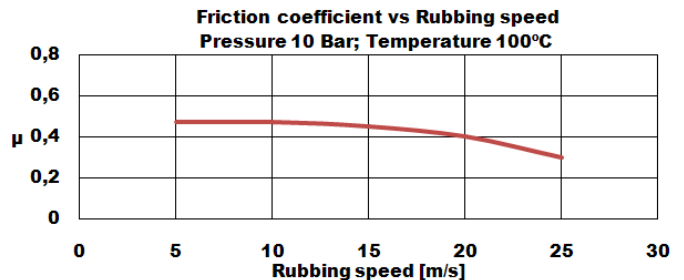
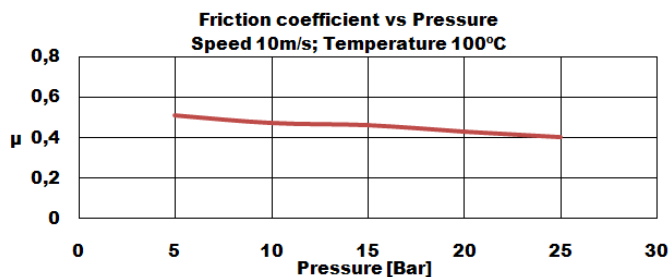
Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

### 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.