Frenos Sauleda s.a.
science friction

ID MATERIAL: 35
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

FAG/TW

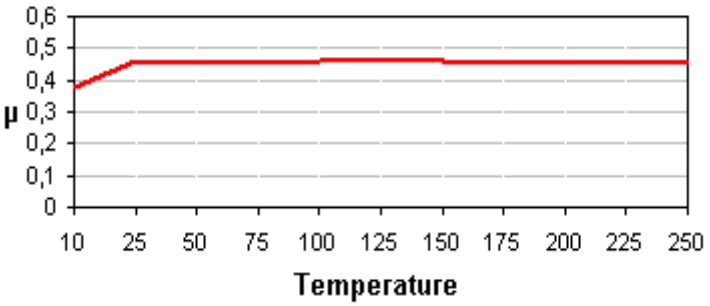
> DESCRIPTION

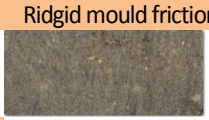
FAG/TW is a green moulded friction material. The basic materials which are used are: phenol resins and a NBR as the bonding system, organic and mineral fibres and friction modifiers. Offers high wear and temperature resistance, It is rigid material with good hardness and mechanical strength. FAG/TW fully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

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.45±0.05	μ
Wear Rate (@79N, 7m/s)	40±10	mm^3/kwh
Tº Fading (@100N, 11.5m/s)	330±10	ºC
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	90±5	Shore-D
Specific Gravity (ASTM D792-91)	1.85±0.05	gr/cm^3
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^2
Compressive Strength (UNE 53205)	130±5	N/mm^2
> RECOMMENDED WORKING VALUES		
Tº Max. Continuous Operation	250	ºC
Tº Max. Intermittent Operation	350	ºC

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



MATERIAL TYPE	Ridgid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	• Gear discs for industrial devices • Ring segments for machinery • Heavy-duty industrial machinery • Heavy loaded winches and Cranes • Forging machinery • Torque limitator • Punch die press blocks
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**

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