

ID Material: 23
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SAFF

SAFF is green rigid molded friction material, which offers a very high friction coefficient. This material is reinforced with glass fibers and has a good mechanical resistance. The material consists phenolic resins with a NBR bonding system, short and large fibres, friction modifiers and fillers. SAFF is fully cured and suitable for bonding and riveting.

Material data

Friction Properties (according graphics)

| | | |
|--|------------|----|
| Static Friction Coefficient (15bar, from box): | 0.55±0.05 | μ |
| Static Friction Coefficient (15bar, 100°C): | 0.55±0.05 | μ |
| Dynamic Friction Coefficient: | see charts | |
| Wear Rate: | see charts | |
| T° Fading: | >350 | °C |

Physical properties

| | | |
|---------------------------------|-----------|---------|
| Hardness (DIN53505): | 88±5 | Shore-D |
| Specific Gravity (ASTM D792): | 1.8±0.05 | gr/cm3 |
| Ignition Loss (ASTM D7348): | 40±2 | % |
| Acetone Extraction (ASTM D494): | 0.15±0.02 | % |

Mechanical properties

| | | |
|--------------------------------------|-------|-------------------|
| Tensile Strength (ASTM D638): | 15±5 | N/mm ² |
| Compressive Strength (ISO 844:2014): | 175±5 | N/mm ² |

Recommended Working Values

| | | |
|---------------------------------|-----|----|
| T° Max. Continuous Operation: | 300 | °C |
| T° Max. Intermittent Operation: | 400 | °C |

Material type : Rigid material

Appearance / Formats



Machined



Rings



Sheets

Applications

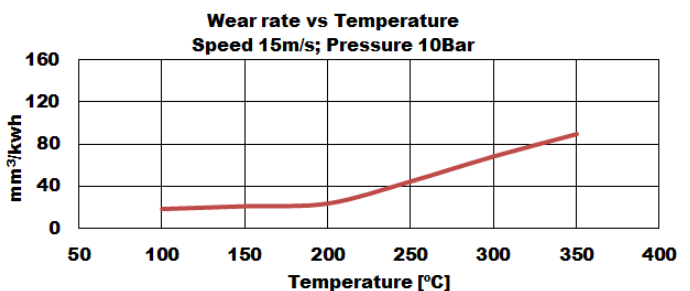
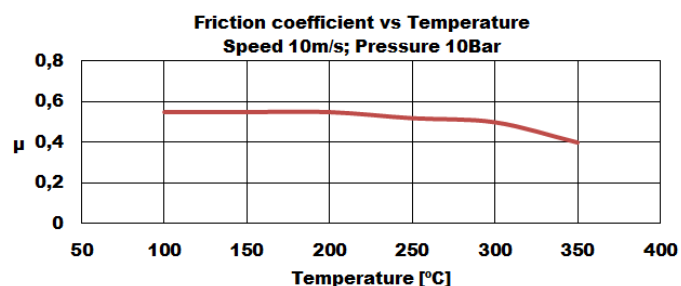
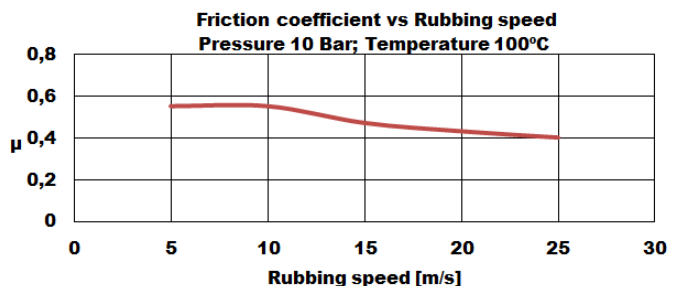
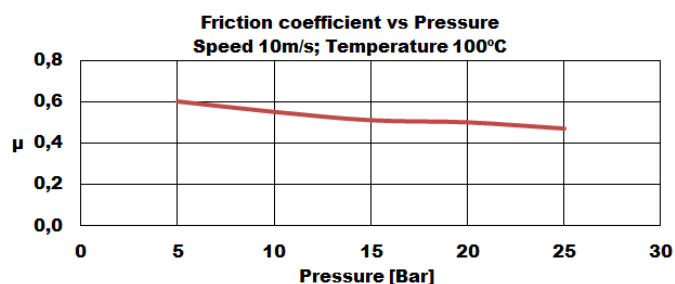
Industrial clutches - Rings segments for machinery - Torque limiter

Price Level : € € €

Reach (EC)1907/2023 - RoHS 2015/863/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.