



ID MATERIAL: 62
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REVISION: 5
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FRICTION MATERIAL:

SF-BU

> DESCRIPTION

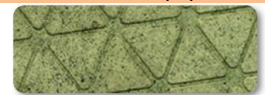
SF-BU is a high performance, high friction, non-metal composite material containing a high percentage of aramid fibre. It can be considered as an alternative for sintered metal materials and offers many advantages. It will resist high energy inputs and is suitable for both dry and oil-immersed applications. It is not abrasive to the counter material, is silent in operation and it will resist high pressures. The wear rate is low even at high temperatures. SF-BU is available in thicknesses from 0.6mm to 5mm. Similar to SF-001 but with a higher kevlar composition in order to increase friction characteristics.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.45±0.05	μ
Wear Rate (@79N, 7m/s)	50±10	mm ³ /kwh
T ^º Fading (@100N, 11.5m/s)	390±10	ºC
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	80±3	Shore-D
Specific Gravity (ASTM D792-91)	1.2±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952-01)	0.25±0.01	w/mºK
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	70±5	N/mm ²
Compressive Strength (UNE 53205)	306±5	N/mm ²
Burst Resistant (200 x 137 x 3,5)@200 ºC	18200±100	RPM
Poisson Coefficient	0.27±0.03	
Young Modules (ASTMD638-10)	7260±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T ^º Max. Continuous Operation	360	ºC
T ^º Max. Intermittent Operation	400	ºC

MATERIAL TYPE Kevlar friction paper

APPEARANCE



FORMATS



APPLICATIONS

- Car / motorcycle competition clutches
- Heavy vehicle clutches
- Clutch buttons
- Miscellaneous industrial brakes / clutches

RECOMMENDED MATING SURFACE

Perlitic cast iron, hardness HB150-200

OIL RESISTANCE

Yes

RECOMMENDED ADHESIVE

Thermosetting adhesive

PRICE LEVEL

€ € €

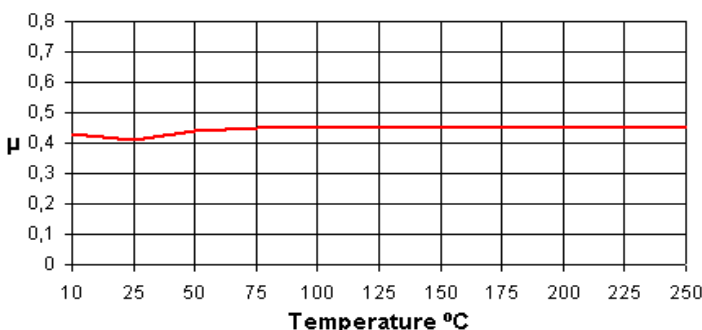
REACH (EC)1907/2006

Compliance

RoHS 2011/65/EU

Compliance

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



> LEGEND



Discs



Sheets



Finished parts



Bonded