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ID Material: 62 Rble: R. Antich Revision: 5 Date: 17/03/2017



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 resists 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 resists 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 data

0.40±0.05	μ
0.43±0.05	μ
0.35±0.05	μ
50±10	mm³/Kwh
390±10	°C
85±5	Shore-D
1.20±0.05	gr/cm3
0.25±0.01	W/m°K
70±5	N/mm²
306±5	N/mm²
18200±100	RPM
0.27±0.03	
7260±100	N/mm²
360	°C
400	°C
	0.43±0.05 0.35±0.05 50±10 390±10 85±5 1.20±0.05 0.25±0.01 70±5 306±5 18200±100 0.27±0.03 7260±100

Material type: Paper Friction

Appearance / Formats







Applications

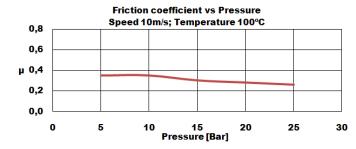
Car / motorcycle competition clutches - Clutch buttons - Heavy vehicle clutches - Miscellaneous industrial brakes / clutches -

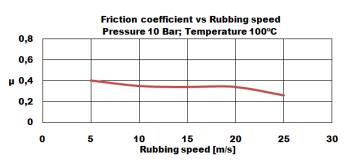
Price Level : € €

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.