

ID Material: 86
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TVS AF 21

TVS AF 21 is an Asbestos free non-metallic Flexible friction material available in roll (coil) form. TVS AF 21 is silent in operation and excellent wear properties. Material composition consists of binders, glass fibers, friction modifiers and fillers.

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:	see charts	
Wear Rate:	see charts	
T° Fading:	>300	°C

Physical properties

Hardness (DIN53505):	70±10	Shore-D
Specific Gravity (ASTM D792):	1.9±0.1	gr/cm3

Mechanical properties

Compressive Strength (ISO 844:2014):	150±10	N/mm ²
Ultimate Shear Strenght (ASTM D732):	2.1	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C
Max. pressure:	14	Bar

Material type : Flexible material

Appearance / Formats



Applications

Drum Brakes - Friction washers - Industrial drum and band brakes - Miscellaneous industrial brakes / clutches

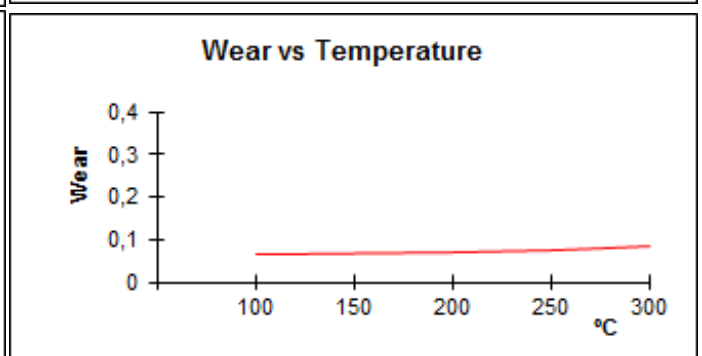
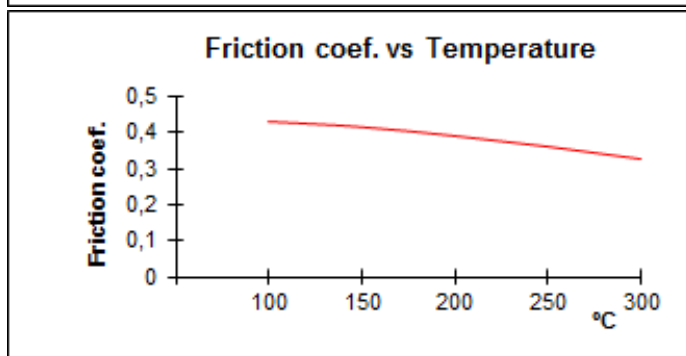
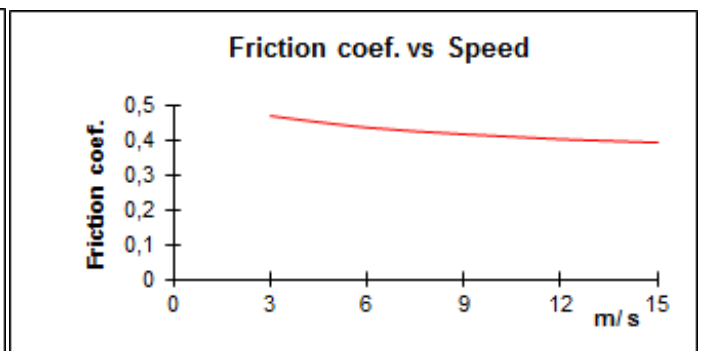
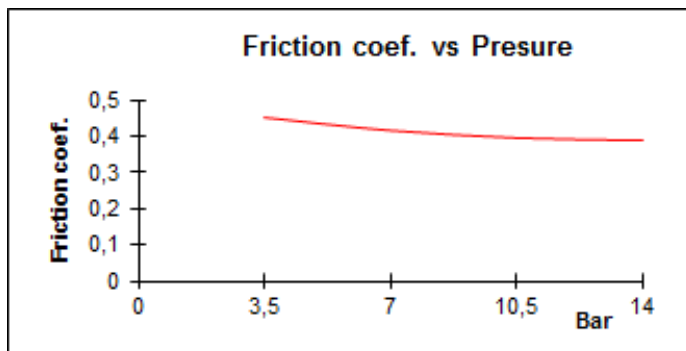
Price Level : € € €

Reach (EC)1907/2023 - RoHS 2015/863/EU : Yes

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive



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.