

ID Material: G 5  
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# AFV

AFV is a very strong rigid molded friction material. The basic compounds that have been used are resins for the bonding system, organic and minerals fibres and friction modifiers. AFV is suitable for industrial applications with a medium friction coefficient. It has good resistance to fading and wear. It is a fully cured material and is suitable for bonding and riveting. AFV is a very strong rigid molded friction material. The basic compounds that have been used are resins for the bonding system, organic and minerals fibres and friction modifiers. AFV is suitable for industrial applications with a medium friction coefficient. It has good resistance to fading and wear. It is a fully cured material and is suitable for bonding and riveting.

## Material data

### Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.42±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.42±0.05	μ
Wear Rate (79N, 7m/s):	100±10	mm <sup>3</sup> /Kwh
T° Fading (100N, 11.5m/s):	320±10	°C

### Physical properties

Hardness (DIN53505):	84±5	Shore-D
Specific Gravity (ASTM D792-91):	1.9±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524):	31±2	%
Acetone Extraction ISO2859-1:	1±0.2	%

### Mechanical properties

Tensile Strength (ASTM D638-10):	18±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205):	140±5	N/mm <sup>2</sup>
Poisson Coefficient:	0.195±0.03	
Young Modulus (ASTMD 638-10):	7042±100	N/mm <sup>2</sup>

### Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Rigid material

### Appearance / Formats



### Applications

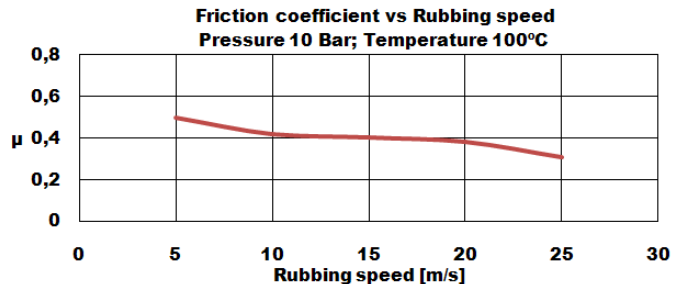
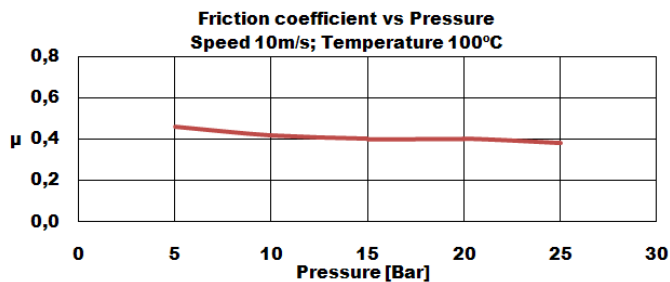
Brake pads - Heavy duty static applications - Holding Mechanical Structures  
- Rings segments for machinery - Yaw brakes -

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.