



ID MATERIAL: G 5
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:



AFV

> DESCRIPTION

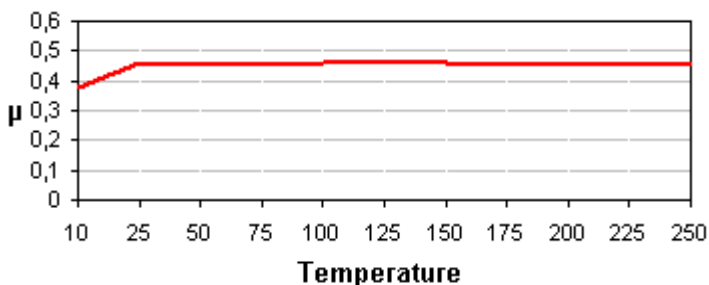
AFV is a very strong rigid molded friction material. The basic compounds that have been used are resins for the bonding system, organic and minerals fibres and friction modifiers. AFV is suitable for industrial applications with a medium friction efficiency. It has good resistance to fading and wear.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

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.45±0.05	μ
Wear Rate (@79N, 7m/s)	100±10	mm ³ /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 ³
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 ²
Compressive Strength (UNE 53205)	140±5	N/mm ²
Poison Coefficient	0.195±0.03	
Young Modulus (ASTMD638-10)	7042±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

MATERIAL TYPE	Rigid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Ring segment for machinery • Brake pads • Heavy duty static applications • Yaw brakes • Holding mechanical structures
RECOMMENDED MATING SURFACE	Perlitic cast iron, hardness HB150-200
OIL RESISTANT	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

