



ID MATERIAL: 46
RBLE: R. ANTICH
REVISION: 5
DATE: 23/05/2014

FRICTION MATERIAL:


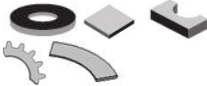
NAF

> DESCRIPTION

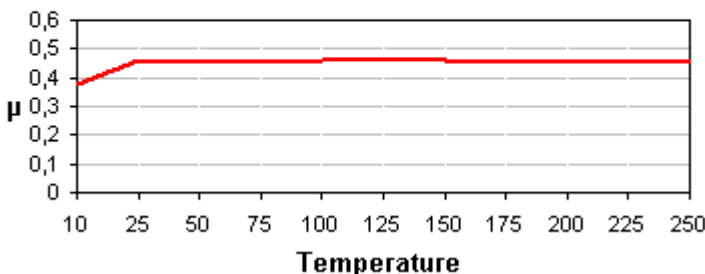
NAF is black rigid molded friction material which offers good mechanical characteristics and high a compression strength. The metal components in this formulation allows this material to resist high temperatures. The material consists phenolic resins with NBR bonding system, short fibres, friction modifiers, metal particles and fillers. NAF is fully cured and 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)	60±10	mm ³ /kwh
T° Fading (@100N, 11.5m/s)	320±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	85±5	Shore-D
Specific Gravity (ASTM D792-91)	1.85±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	40±2	%
Acetone Extraction ISO2859-1	1±0.2	%
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	12±5	N/mm ²
Compressive Strength (UNE 53205)	160±5	N/mm ²
> RECOMMENDED WORKING VALUES		
T° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

MATERIAL TYPE	Ridgid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Gear discs for industrial devices • Ring segments for machinery • Brake pads • Electro-magnetic brakes
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

