



ID MATERIAL: 27
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

GHFM

> DESCRIPTION

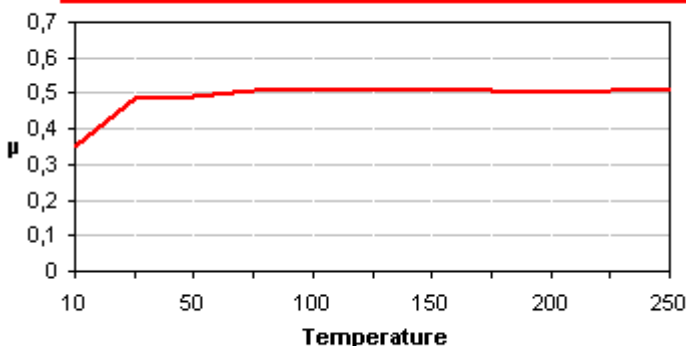
GHFM is a soft-flexible friction material that performs with a high friction coefficient. Its flexibility allows it to work noiseless while producing a minimum wear on working surfaces. The material consists phenolic resins with a NBR rubber bonding system, short and brass fibres, friction modifiers and fillers. GHFM is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.50±0.05	μ
Wear Rate (@79N, 7m/s)	45±10	mm ³ /kwh
T° Fading (@100N, 11.5m/s)	310±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	55±5	Shore-D
Specific Gravity (ASTM D792-91)	1.6±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	45±2	%
Acetone Extraction ISO2859-1	2±0.2	%
Thermal Conductivity (ASTM E1952-01)	0.33±0.01	w/m²K
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	3±5	N/mm ²
Compressive Strength (UNE 53205)	190±5	N/mm ²
Poisson Coefficient	0.34±0.03	
Young Modulus (ASTMD 638-10)	504±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

MATERIAL TYPE	Flexible mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Callipers for industrial applications • Static brakes • Heavy loaded winches and cranes
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

