



ID MATERIAL: 24
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

SA80/05

> DESCRIPTION

SA80/0.5 is a rigid and molded friction material and is developed for industrial applications. The most noted characteristic of this material is the high coefficient. SA80/0.5 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)	200±10	mm ³ /kwh
T ^o Fading (@100N, 11.5m/s)	330±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	88±5	Shore-D
Specific Gravity (ASTM D792-91)	1.85±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	45±2	%
Acetone Extraction ISO2859-1	2±0.2	%
Thermal Conductivity (ASTM E1952-01)	0.4±0.01	w/m ^o K
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	9±5	N/mm ²
Compressive Strength (UNE 53205)	102±5	N/mm ²
Poison Coefficient	0.23±0.03	
Young Modulus (ASTMD 638-10)	2413±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T ^o Max. Continuous Operation	250	°C
T ^o Max. Intermittent Operation	350	°C

MATERIAL TYPE Rigid mould friction material

APPEARANCE



FORMATS



APPLICATIONS

- Industrial clutches
- Friction washers
- Brake pads
- Static brakes
- Electro-magnetic brakes
- Torque limiter

RECOMMENDED MATING SURFACE Perlitic cast iron, hardness HB150-200

OIL RESISTANCE Yes

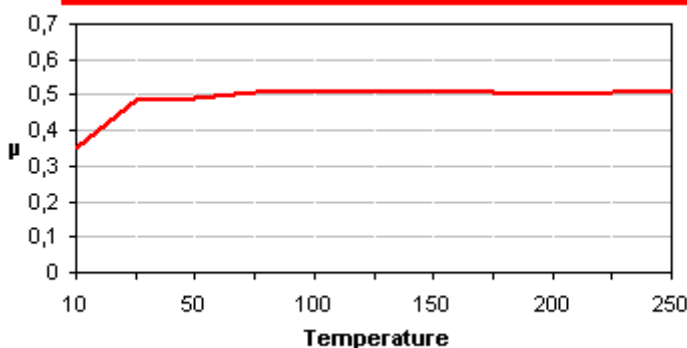
RECOMMENDED ADHESIVE Thermosetting adhesive

PRICE LEVEL € € €

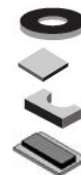
REACH (EC)1907/2006 Compliance

RoHS 2011/65/EU Compliance

Friction coefficient (μ) vs Temperature (°C) @ 80psi 7m/s



> LEGEND



- Discs
- Sheets
- Finished Parts
- Bonded