



ID MATERIAL: 96
RBLE: R. ANTICH
REVISION: 5
DATE: 23/05/2014

FRICTION MATERIAL:


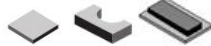
ST-06

> DESCRIPTION

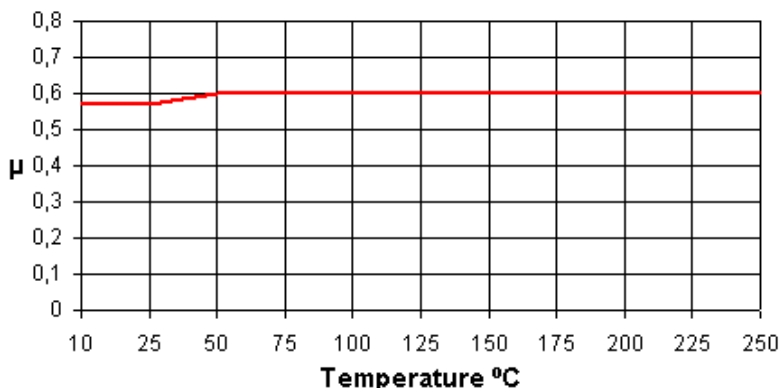
ST06 is developed for static applications, it is rigid and moulded friction material. Its most noted characteristics are hardness, mechanical strength and resistance to temperature. Its co efficiency is very high. It is composed basically of resins and rubber as a link system with friction modifying agents. The mineral fibres enhance the strength which helps to establish the friction value. ST06 is fully cured and suitable for bonding and riveting.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.60±0.05	μ
Wear Rate (@79N, 7m/s)	80±10	mm ³ /kwh
T ⁹ Fading (@100N, 11.5m/s)	310±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	83±5	Shore-D
Specific Gravity (ASTM D792-91)	1.85±0.05	gr/cm ³
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	23±5	N/mm ²
Compressive Strength (UNE 53205)	120±5	N/mm ²
Poison Coefficient	0.24±0.03	
Young Modulus (ASTMD 638-10)	9190±100	N/mm ²
> RECOMMENDED WORKING VALUES		
T ⁹ Max. Continuous Operation	250	°C
T ⁹ Max. Intermittent Operation	350	°C

MATERIAL TYPE	Ridgid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Callipers for industrial applications • Static brakes • Heavy duty static applications • Forging machinery • Yaw brakes • Punch die press blocks • Damper technologies • Holding mechanical sturctures
RECOMMENDED MATING SURFACE	Perlitic cast iron, hardness HB150-200
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

