

ID Material: E0
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SA-WT

SAWT is a rigid moulded material. The most noted properties of SAWT are the hardness, the mechanical strength, the temperature resistance and a high efficiency. It is composed, there are resins, frictional modifier agents and mineral fibres to enhance its strength which help to establish the friction value. It is a fully cured material and is suitable for both bonding and riveting.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T ^o Fading:	>300	°C

Physical properties

Hardness (DIN53505):	82±5	Shore-D
Specific Gravity (ASTM D792):	1.75±0.05	gr/cm ³
Thermal Conductivity (ASTM E1952):	0.49±0.01	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638):	18±5	N/mm ²
Compressive Strength (ISO 844:2014):	115±10	N/mm ²
Shear Modulus (ASTM D2344-00):	2070±100	N/mm ²
Poisson Coefficient (ASTM D638):	0.24±0.03	
Young Modulus (ASTM D638):	5200±100	N/mm ²

Recommended Working Values

T ^o Max. Continuous Operation:	200	°C
T ^o Max. Intermittent Operation:	300	°C

Material type : Rigid material

Appearance / Formats



Bonded

Machined

Sheets

Applications

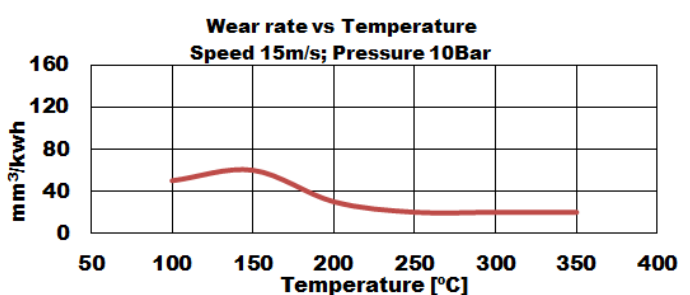
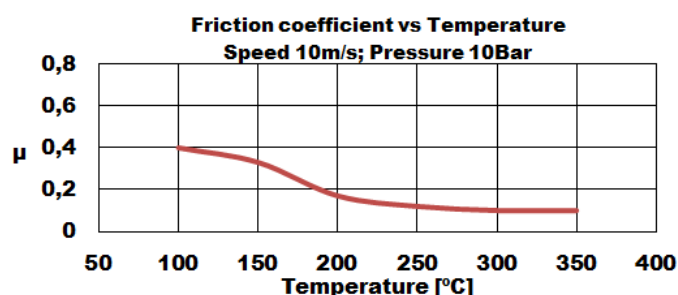
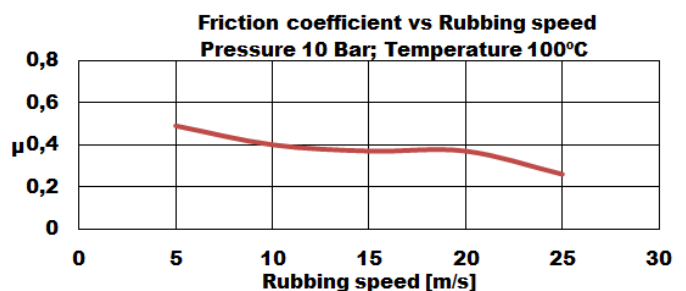
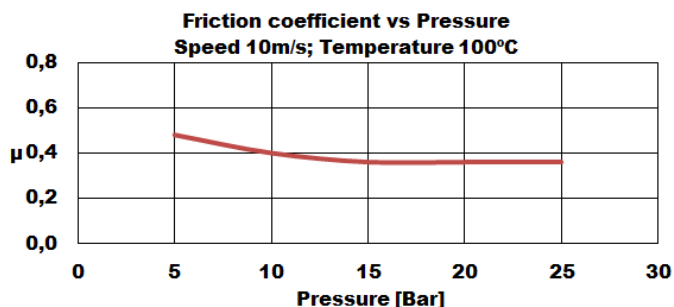
Callipers for industrial applications - Friction washers - Heavy duty static applications - Yaw brakes

Price Level : € € €

Reach (EC)1907/2023 - RoHS 2015/863/EU :

Others

Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	Yes



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.