Frenos Sauleda s.a.
science friction

Barri del migdia S/N - E 08396
Sant Cebrià de Vallalta (Barcelona - Spain)
sauleda@frenossauleda.com
Tel. (+ 34) 93 763 11 20 Fax (+ 34) 93 763 10 61

ID Material: 1x
Rble: R. Antich
Revision: 0
Last updated: 28/07/2021

JTC

JTC is an especial woven material that is designed to work at high temperatures and low wear rate. It is based on VH-03 and has been reinforced with extra copper for improve friction propieties. JTC material can disipate quickly head temterature, has a very stable friction coefficient. The cooper extra material with its alloy backing matched to a performance pressure plate will provide smooth engagement and extended life.

Material data

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.45±0.05	µ
Static Friction Coefficient (15bar, 100ºC):	0.45±0.05	µ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
Tº Fading:	>400ºC	°C

Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	2.2±0.1	gr/cm3
Ignition Loss (ASTM D7348):	40±2	%
Acetone Extraction (ASTM D494):	2±0.2	%

Mechanical properties

Compressive Strength (ISO 844:2014):	145±5	N/mm^2
Burst Resistant (200 x 137 x 3,5) 200°C:	14000±100	RPM

Recommended Working Values

T° Max. Continuous Operation:	300	°C
T° Max. Intermittent Operation:	400	°C

Material type : Woven yarn

Appearance / Formats



Bonded

Rings

Applications

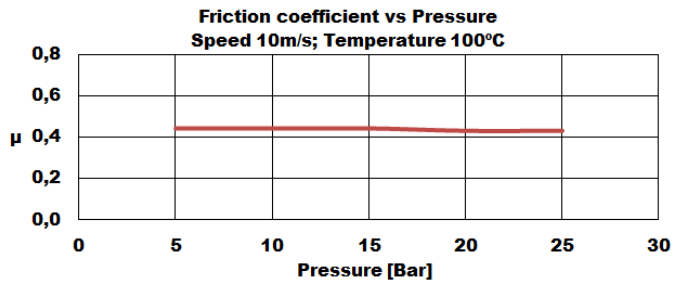
Heavy vehicle clutches - Trucks clutches - Vehicles clutches

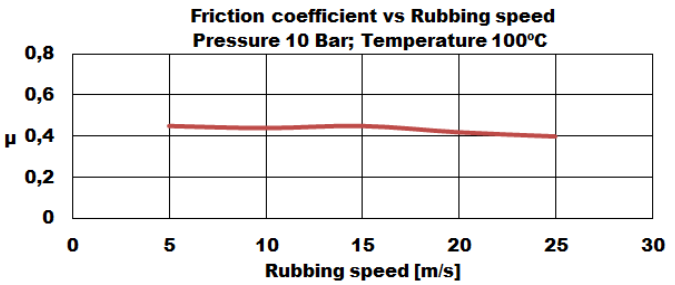
Price Level : € € €

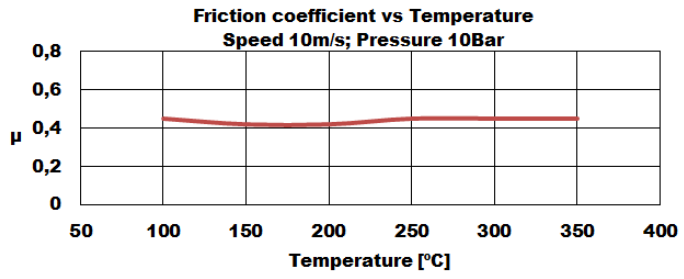
Reach (EC)1907/2006 - RoHS 2011/65/EU : Compilance

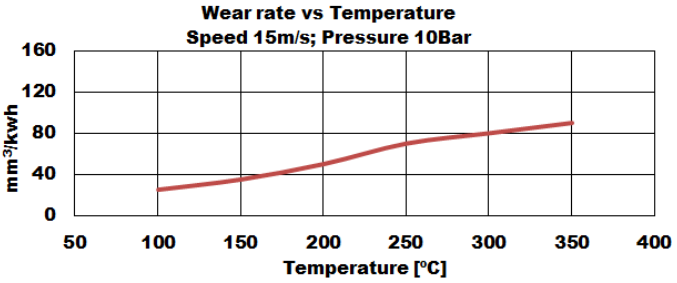
Others

Recommended Mating Surface:	Pertitic 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.