

ID Material: 1x
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Revision: 0
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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 Properties (according graphics)

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



Applications

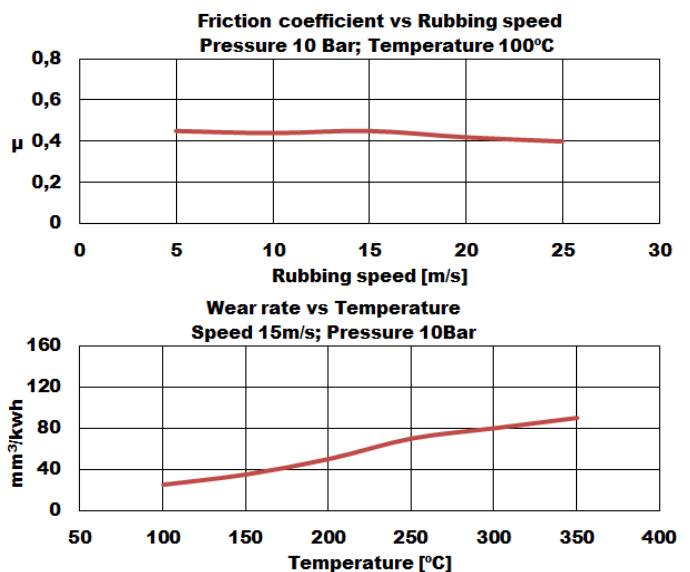
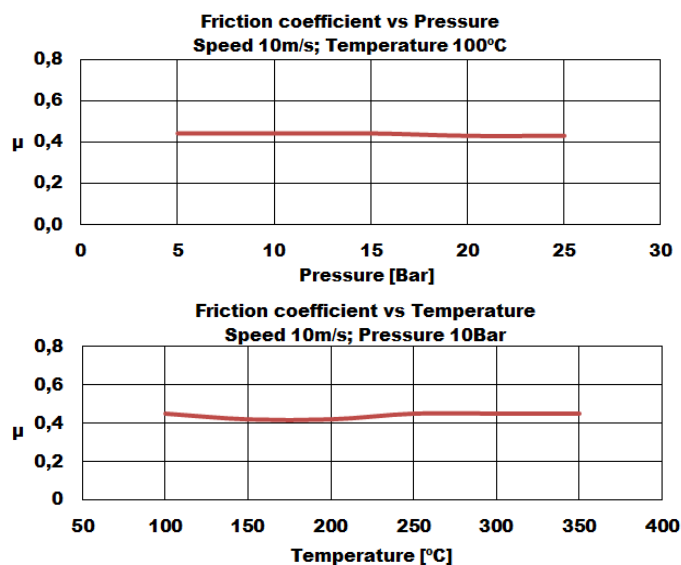
Heavy vehicle clutches - Trucks clutches - Vehicles clutches

Price Level : € € €

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

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.