

ID Material: 1x  
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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 <sup>2</sup> |
| 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

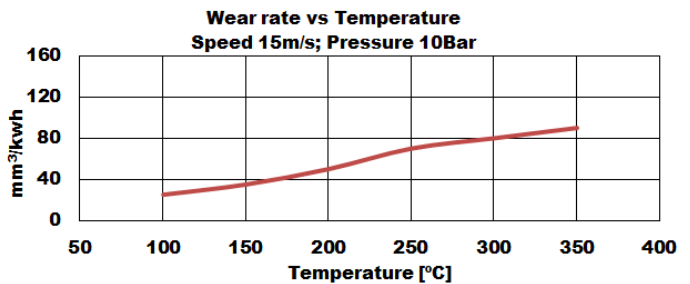
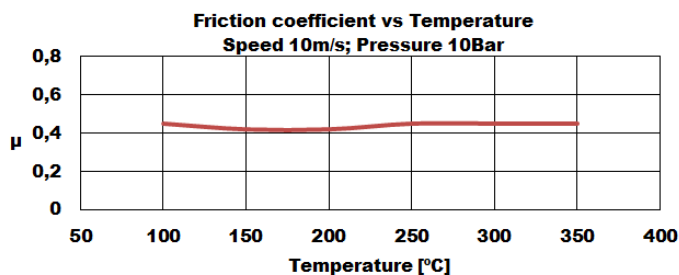
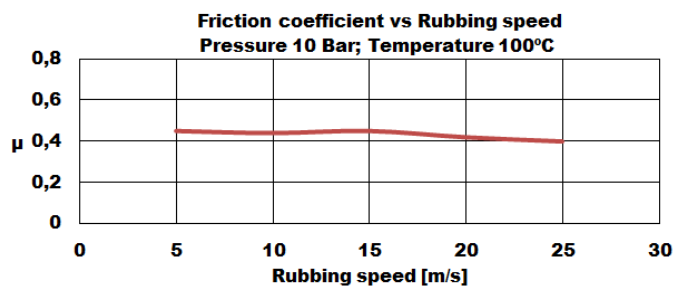
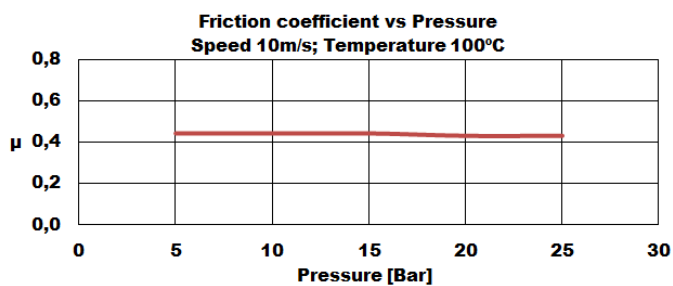
Heavy vehicle clutches - Trucks clutches - Vehicles clutches

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.