Frenos Sauleda s.a.
science friction

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HDS57

HDS57 is a rigid woven friction material with a medium friction coefficient. HDS57 is the Sauleda heavy duty material for clutches. Developed in 1997, manufactured with draft yarn and aramid fibres. It is recommended for commercial vehicles, especially when thermal conditions are high.

Material data

Friction propieties (according graphics)

Static Friction Coefficient (15bar, from box):	0.53±0.05	µ
Static Friction Coefficient (15bar, 100ºC):	0.53±0.05	µ
Dynamic Friction Coefficient (10bar, 10m/s):	0.50±0.05	µ
Wear Rate (10bar, 15m/s):	130±10	mm^3/Kwh
Tº Fading (10bar, 10m/s):	>350ºC	°C

Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792-91):	1.7±0.05	gr/cm3
Ignition Loss (ASTM D-2524):	50±2	%
Acetone Extraction ISO2859-1:	2±0.2	%

Mechanical properties

Compressive Strength (UNE 53205):	120±5	N/mm^2
Burst Resistant (200 x 137 x 3,5) 200°C:	12000±100	RPM

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Woven yarn

Appearance / Formats

Applications

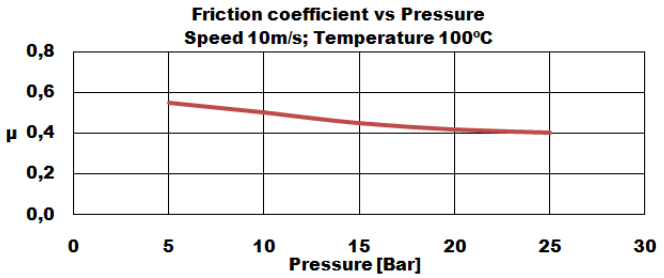
Heavy vehicle clutches - Trucks clutches - Vehicles clutches -

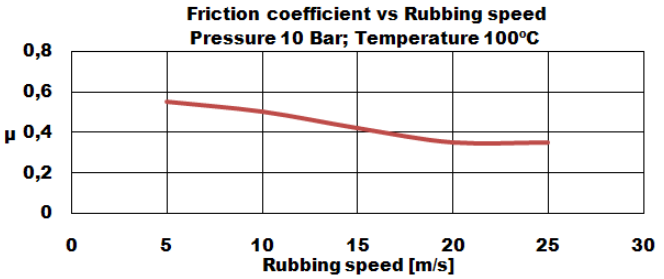
Price Level : € € €

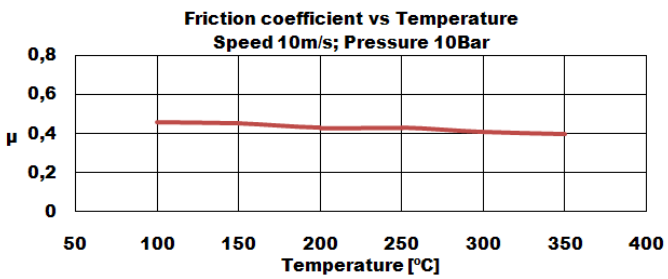
Reach (EC)1907/2006 - RoHS 2011/65/EU : Compliance

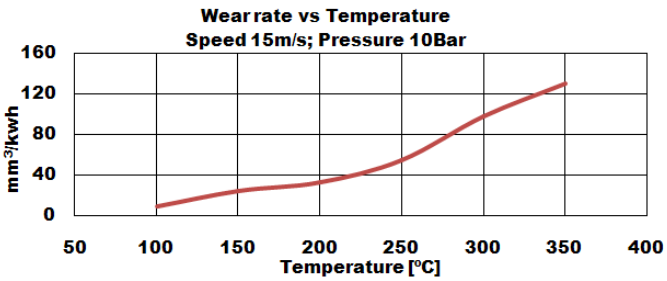
Others

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









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.