



ID MATERIAL: 3
RBLE: R.ANTICH
REVISION: 5
DATE: 23/07/2014

FRICTION MATERIAL:



HDS57

> DESCRIPTION

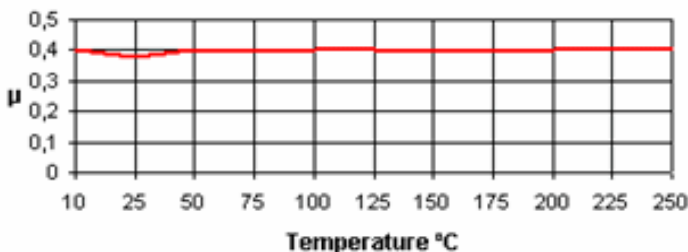
HDS57 is a rigid woven friction material with a medium friction coefficient. HDS57 is the Sauleda heavy duty material for clutches. Developed in 1997, manufactured with draft yarn and aramid fibres. It is recommended for commercial vehicles, especially when thermal conditions are high.

> MATERIAL TABLE







> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.42±0.05	μ
Wear Rate (@79N, 7m/s)	40±10	mm ³ /kwh
T° Fading (@100N, 11.5m/s)	280±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	80±5	Shore-D
Specific Gravity (ASTM D792-91)	1.7±0.05	gr/cm ³
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 friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Heavy vehicle clutch • Vehicle clutches • Truck clutches
RECOMMENDED MATING SURFACE	Perlitic cast iron, hardness HB150-200
RECOMMENDED ADHESIVE	Thermosetting adhesive
PRICE LEVEL	€ € €
REACH (EC)1907/2006	Compliance
RoHS 2011/65/EU	Compliance

Friction coefficient (μ) vs Temperature (°C) @80psi 7m/s



> LEGEND

	Discs
	Sheets
	Finished Parts
	Bonded
	Grooved
	Drilled