

ID Material: 3  
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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 properties (according graphics)

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

### Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792-91):	1.7±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524):	50±2	%
Acetone Extraction ISO2859-1:	2±0.2	%

### Mechanical properties

Compressive Strength (UNE 53205):	120±5	N/mm <sup>2</sup>
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



Bonded

Rings

Sheets

### 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

