Frenos Sauleda s.a.
science friction

ID MATERIAL: 38
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

HCC

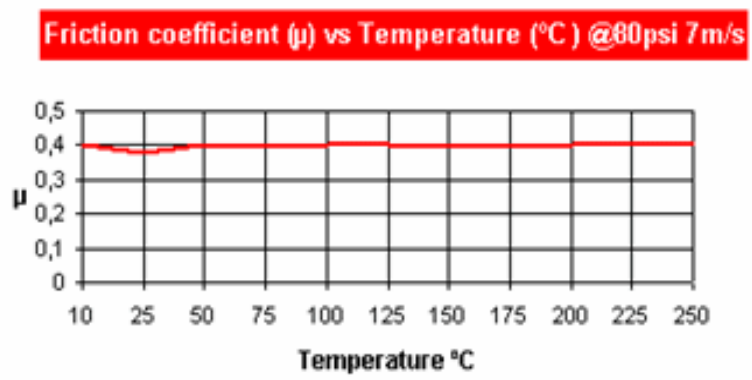
> DESCRIPTION

HCC is a special woven material that is designed to work at high temperatures and has a low rate of wear. It is based on VH-03 and has been reinforced with extra copper to increase friction perform. HCC can dissipate heat, has very stable friction coefficient and steady work at high temperatures with minimal wear.

> MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.40±0.05	μ
Wear Rate (@79N, 7m/s)	50±10	mm^3/kwh
Tº Fading (@100N, 11.5m/s)	330±10	ºC
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	85±5	Shore-D
Specific Gravity (ASTM D792-91)	1.9±0.05	gr/cm^3
Ignition Loss (ASTM D-2524)	40±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)@200ºC	12000±100	RPM
> RECOMMENDED WORKING VALUES		
Tº Max. Continuous Operation	250	ºC
Tº Max. Intermittent Operation	350	ºC

MATERIAL TYPE	Woven yarn friction material
APPEARANCE	
FORMATS	
APPLICATIONS	• Heavy vehicle clutches • Vehicle clutches • Truck clutches
RECOMMENDED MATING SURFACE	Perlitic cast iron, hardness HB150-200
OIL RESISTANT	Yes
RECOMMENDED ADHESIVE	Thermosetting adhesive
PRICE LEVEL	€ € €
REACH (EC)1907/2006	Compliance
RoHS 2011/65/EU	Compliance



> LEGEND

Discs

Sheets

Finished Parts

Bonded

Grooved

Drilled

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