



ID MATERIAL: B 9
RBLE: R. ANTICH
REVISION: 5
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FRICTION MATERIAL:

DD01

> DESCRIPTION

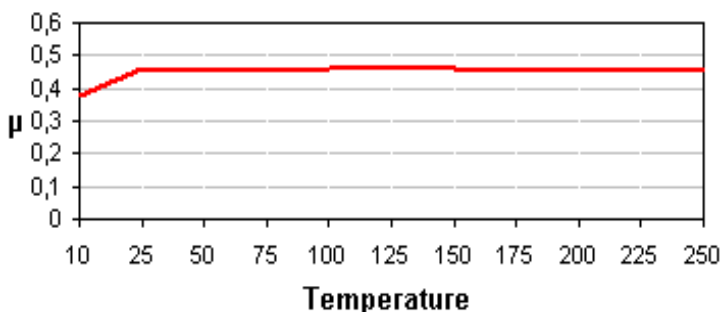
DD01 is molded black friction material. The basic materials which are used are: phenolic resins and NBR as the bonding system. Reinforced with a high volume of short cut fibres which help to reach a very good mechanical and frictional performance. It is fully cured material and is suitable for bonding and riveting.

> MATERIAL TABLE





> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.45±0.05	μ
Wear Rate (@79N, 7m/s)	85±10	mm ³ /kwh
T ^o Fading (@100N, 11.5m/s)	300±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	80±5	Shore-D
Specific Gravity (ASTM D792-91)	1.8±0.05	gr/cm ³
Ignition Loss (ASTM D-2524)	35±2	%
Acetone Extraction ISO2859-1	2±0.2	%
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	19±5	N/mm ²
Compressive Strength (UNE 53205)	110±5	N/mm ²
> RECOMMENDED WORKING VALUES		
T ^o Max. Continuous Operation	250	°C
T ^o Max. Intermittent Operation	350	°C

MATERIAL TYPE	Rigid mould friction material
APPEARANCE	
FORMATS	
APPLICATIONS	<ul style="list-style-type: none"> • Gear discs for industrial devices • Rings segments for machinery • Friction washers • Brake pads
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

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



> LEGEND

	Discs
	Sheets
	Finished Parts
	Bonded