

ID Material: B 9
Rble: R. Antich
Revision: 5
Date: 17/03/2017

DD01

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 data

Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.35±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/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):	2.05±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 material

Appearance / Formats



Applications

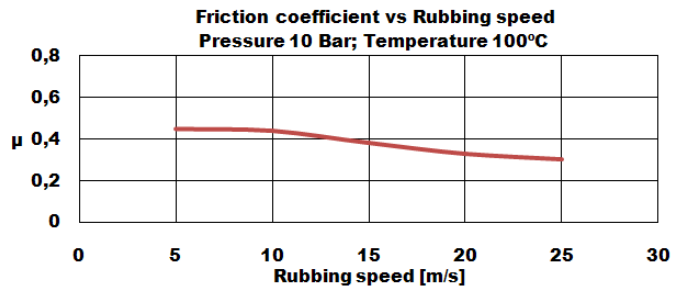
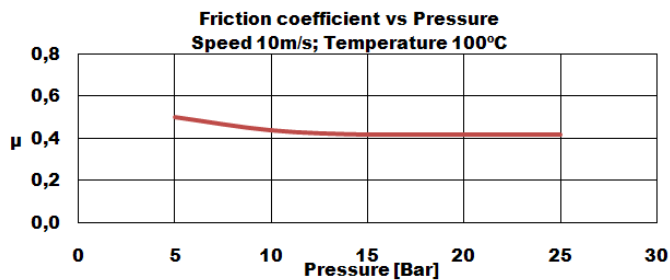
Brake pads - Friction washers - Gear discs for industrial devices - Rings segments for machinery -

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
Oil Resistant:	Yes



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.