

ID Material: B9  
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Revision: 5  
Last updated: 07/05/2018

# 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 (10bar, 15m/s):	65±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):	2.05±0.05	gr/cm <sup>3</sup>
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 <sup>2</sup>
Compressive Strength (UNE 53205):	110±5	N/mm <sup>2</sup>

### Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° 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

