

ID Material: B9
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Revision: 6
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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:	see charts	
Wear Rate:	see charts	
T° Fading:	>350	°C

Physical properties

Hardness (DIN53505):	80±5	Shore-D
Specific Gravity (ASTM D792):	2.05±0.05	gr/cm ³
Ignition Loss (ASTM D7348):	35±2	%
Acetone Extraction (ASTM D494):	2±0.2	%

Mechanical properties

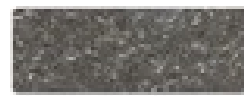
Tensile Strength (ASTM D638):	19±5	N/mm ²
Compressive Strength (ISO 844:2014):	110±5	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	350	°C

Material type : Rigid material

Appearance / Formats



Machined



Rings



Sheets

Applications

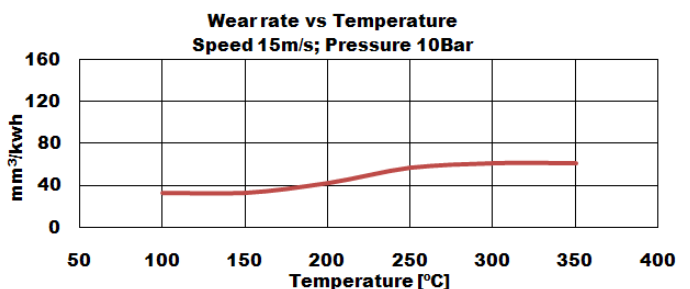
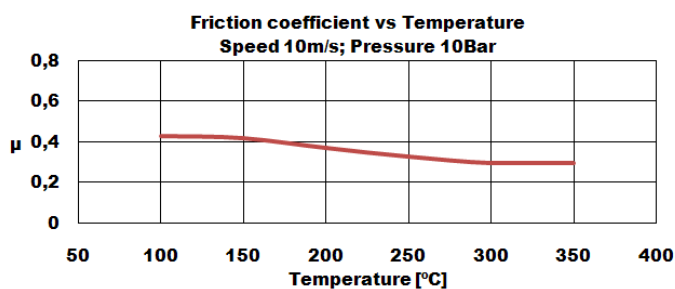
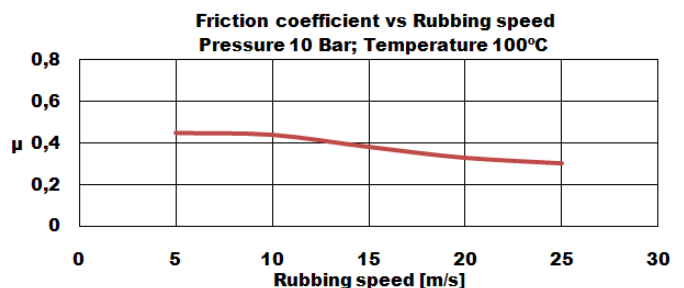
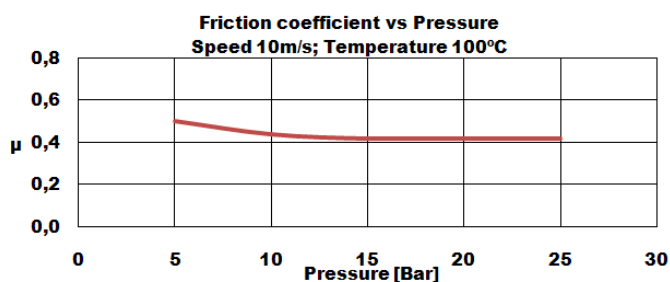
Brake pads - Friction washers - Gear discs for industrial devices - Rings segments for machinery

Price Level : € € €

Reach (EC)1907/2023 - RoHS 2015/863/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.