

ID Material: 42
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DD020

DD020 is a non-asbestos and moulded friction material. With a low friction coefficient and good resistance against wear. It is composed basically of resins as a link system with frictional modifier agents and mineral fibres to enhance its strength which helps to establish the friction coefficient value. It is black. It is a fully cured material and is suitable for both bonding and riveting.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.39±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.35±0.05	μ
Dynamic Friction Coefficient:	see charts	
Wear Rate:	see charts	
T° Fading:	>250	°C

Physical properties

Hardness (DIN53505):	73±3	Shore-D
Specific Gravity (ASTM D792):	1.65±0.05	gr/cm3
Ignition Loss (ASTM D7348):	36±2	%
Acetone Extraction (ASTM D494):	2±0.2	%

Mechanical properties

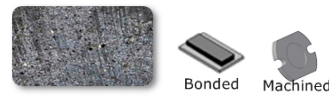
Tensile Strength (ASTM D638):	16±5	N/mm ²
Compressive Strength (ISO 844:2014):	100±5	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	200	°C
T° Max. Intermittent Operation:	250	°C

Material type : Rigid material

Appearance / Formats



Applications

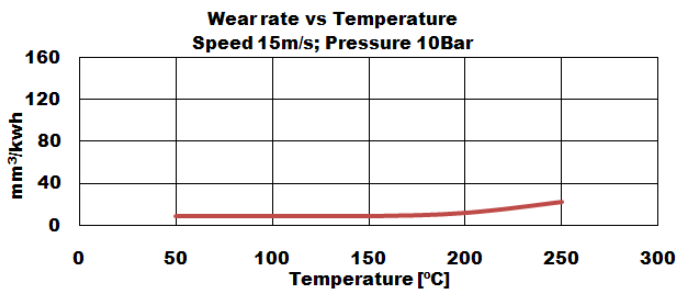
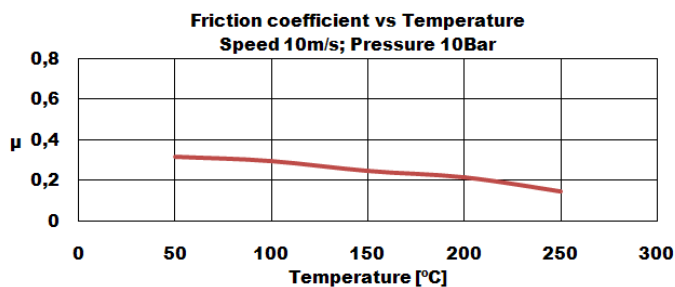
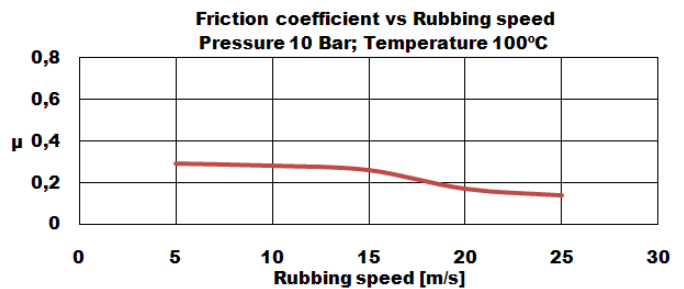
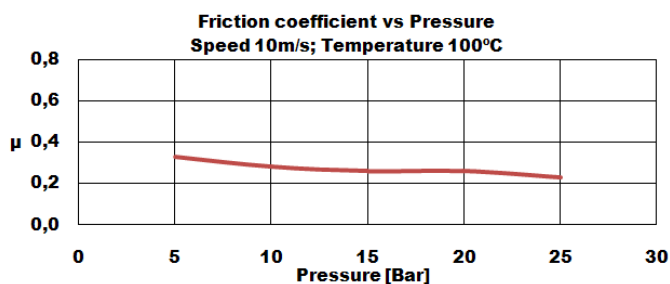
Continuous brakes - Friction Gasket - Friction washers - Micellaneous industrial brakes / clutches

Price Level : € € €

Reach (EC)1907/2023 - RoHS 2015/863/EU : Yes

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.