

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 (10bar, 10m/s):	0.30±0.05	μ
Wear Rate (10bar, 15m/s):	25±10	mm ³ /Kwh
T° Fading (10bar, 10m/s):	>250°C	°C

Physical properties

Hardness (DIN53505):	73±3	Shore-D
Specific Gravity (ASTM D792-91):	1.65±0.05	gr/cm ³
Ignition Loss (ASTM D-2524):	36±2	%
Acetone Extraction ISO2859-1:	2±0.2	%

Mechanical properties

Tensile Strength (ASTM D638-10):	16±5	N/mm ²
Compressive Strength (UNE 53205):	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)1907/2006 - RoHS 2011/65/EU : Yes

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200

Recommended Adhesives: Thermosetting adhesive

Oil Resistant: Yes

