

ID Material: 331
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FF

FF is a grey molded friction material enhance with, metallic components in order to increase its resistance when it is exposed to high temperatures, and glass fiber for better strength resistance. Moreover, there are inside resin, rubbers, fibers (mineral and metallic) and asbestos free

We manufacturing moulded parts with specific mould, at high pressure and temperature.

Material data

Friction Properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.5±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):	75±5	Shore-D
Specific Gravity (ASTM D792):	1.9±0.1	gr/cm3
Acetone Extraction (ASTM D494):	35	%
Thermal Conductivity (ASTM E1952):	0.28±0.1	W/m²K

Mechanical properties

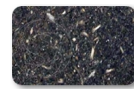
Tensile Strength (ASTM D638):	14±5	N/mm²
Compressive Strength (ISO 844:2014):	75±5	N/mm²
Shear Modulus (ASTM D2344-00):	2418±100	N/mm²

Recommended Working Values

T° Max. Continuous Operation:	250	°C
T° Max. Intermittent Operation:	380	°C
Max. pressure:	100	Bar
Max. Rubbing Speed:	30	m/s

Material type : Rigid material

Appearance / Formats



Bonded

Machined

Shoes

Applications

Agricultural and building machinery - Drum Brakes - Industrial drum and band brakes - Miscellaneous industrial brakes / clutches

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

