

ID Material: T5
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TOP/05

TOP/05 is green molded friction material which main characteristics are flexibility and a high static friction coefficient. Due to the metal components this material is resistant to high temperatures. It consists phenolic resins with a NBR rubber bonding system, short and brass fibres, friction modifiers and fillers. TOP/05 is semi-cured and suitable for bonding and riveting.

Material data

Friction properties (according graphics)

Dynamic Friction Coefficient (79N, 7m/s):	0.50±0.05	μ
Wear Rate (79N, 7m/s):	120±10	mm ³ /Kwh
T° Fading (100N, 11.5m/s):	325±10	°C

Physical properties

Hardness (DIN53505):	45±5	Shore-D
Specific Gravity (ASTM D792-91):	1.6±0.05	gr/cm ³
Ignition Loss (ASTM D-2524):	43±2	%
Acetone Extraction ISO2859-1:	1±0.2	%
Thermal Conductivity (ASTM E1952-01):	0.22±0.01	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638-10):	5±5	N/mm ²
Compressive Strength (UNE 53205):	143±5	N/mm ²
Poisson Coefficient:	0.36±0.03	
Young Modulus (ASTMD 638-10):	474±100	N/mm ²

Recommended Working Values

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

Material type : Flexible material

Appearance / Formats



Applications

Brake pads -

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

