



ID MATERIAL: T 5  
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REVISION: 5  
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FRICTION MATERIAL:

# TOP/05

### > DESCRIPTION

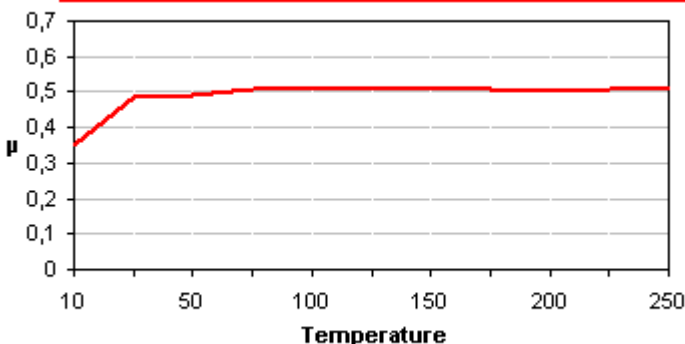
TOP/05 is green molded friction material which main characteristics are flexibility and a high static friction coefficient. Due to the metal components this material is resistant to high temperatures. It consists phenolic resins with a NBR rubber bonding system, short and brass fibres, friction modifiers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

### > MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.50±0.05	μ
Wear Rate (@79N, 7m/s)	120±10	mm <sup>3</sup> /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 <sup>3</sup>
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 <sup>°K</sup>
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	5±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205)	143±5	N/mm <sup>2</sup>
Poisson Coefficient	0.36±0.03	
Young Modulus (ASTMD 638-10)	474±100	N/mm <sup>2</sup>
> RECOMMENDED WORKING VALUES		
T° Max. Continuous Operation	250	°C
T° Max. Intermittent Operation	350	°C

<b>MATERIAL TYPE</b>	Flexible mould friction material
<b>APPEARANCE</b>	
<b>FORMATS</b>	
<b>APPLICATIONS</b>	• Brake pads
<b>RECOMMENDED MATING SURFACE</b>	Perlitic cast iron, hardness HB150-200
<b>OIL RESISTANCE</b>	Yes
<b>RECOMMENDED ADHESIVE</b>	Thermosetting adhesive
<b>PRICE LEVEL</b>	€ € €
<b>REACH (EC)1907/2006</b>	Compliance
<b>RoHS 2011/65/EU</b>	Compliance

Friction coefficient (μ) vs Temperature (°C) @ 80psi 7m/s



### > LEGEND

