



ID MATERIAL: i1  
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REVISION: 5  
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FRICTION MATERIAL:

# RWT

## > DESCRIPTION

RWT is a grey metal based friction material which is able to perform at very high temperatures. It offers good heat dissipation and high compression strength characteristics. RWT is composed basically of resins as a link system, frictional modifier agents, mineral and organic fibres. It has a high and very stable friction coefficient with low rate of wear and excellent resistance to fading. It is fully cured and suitable for bonding and riveting.

## > MATERIAL TABLE

> FRICTION PROPERTIES	Value	Unit
Dynamic Friction Coefficient (@79N, 7m/s)	0.55±0.05	μ
Dynamic Friction Coefficient (@60N, 7m/s)	0.31±0.05	μ
Wear Rate (@79N, 7m/s)	60±10	mm <sup>3</sup> /kwh
T <sup>o</sup> Fading (@100N, 11.5m/s)	400±10	°C
> PHYSICAL PROPERTIES		
Hardness (DIN53505)	87±5	Shore-D
Specific Gravity (ASTM D792-91)	2.05±0.05	gr/cm <sup>3</sup>
Ignition Loss (ASTM D-2524)	5±2	%
Acetone Extraction ISO2859-1	1.5±0.2	%
Thermal Conductivity (ASTM E1952-01)	1.53±0.01	w/m <sup>o</sup> K
> MECHANICAL PROPERTIES		
Tensile Strength (ASTM D638-10)	35±5	N/mm <sup>2</sup>
Compressive Strength (UNE 53205)	185±5	N/mm <sup>2</sup>
Poison Coefficient	0.22±0.03	
Young Modulus (ASTMD 638-10)	16220±100	N/mm <sup>2</sup>
> RECOMMENDED WORKING VALUES		
T <sup>o</sup> Max. Continuous Operation	400	°C
T <sup>o</sup> Max. Intermittent Operation	450	°C

**MATERIAL TYPE** Ridgid mould friction material

**APPEARANCE**



**FORMATS**



**APPLICATIONS**

- Industrial clutches
- Ring segments for machinery
- Brake pads
- Machinery mining industries
- Heavy duty industrial machinery
- Rotor brake

**RECOMMENDED MATING SURFACE** Perlitic cast iron, hardness HB150-200

**OIL RESISTANCE** Yes

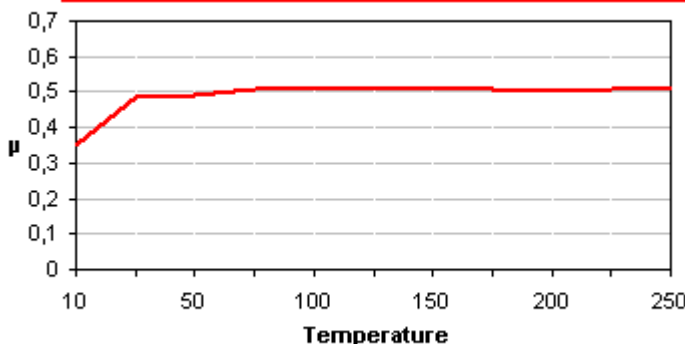
**RECOMMENDED ADHESIVE** Thermosetting adhesive

**PRICE LEVEL** € € €

**REACH (EC)1907/2006** Compliance

**RoHS 2011/65/EU** Compliance

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



## > LEGEND



Discs

Sheets

Finished Parts

Bonded