

ID Material:  
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# DW-56

DW-56 is designed for heavy duty industrial brake applications. It consists a resin of impregnated textile based material without metal components. DW-56 has a good mechanical resistance, is fully cured and suitable for bonding and riveting.

## Material data

### Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.60±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.50±0.05	μ
Dynamic Friction Coefficient:	see charts	
Dynamic Friction Coefficient (79N, 7m/s):	0.45 ±0.05	μ
Wear Rate:	see charts	

### Physical properties

Hardness (DIN53505):	85±5	Shore-D
Specific Gravity (ASTM D792):	1.5±0.05	gr/cm3

### Mechanical properties

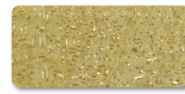
Tensile Strength (ASTM D638):	45±5	N/mm <sup>2</sup>
Compressive Strength (ISO 844:2014):	400±10	N/mm <sup>2</sup>

### Recommended Working Values

T° Max. Continuous Operation:	200	°C
T° Max. Intermittent Operation:	250	°C

Material type : Woven yarn

### Appearance / Formats



### Applications

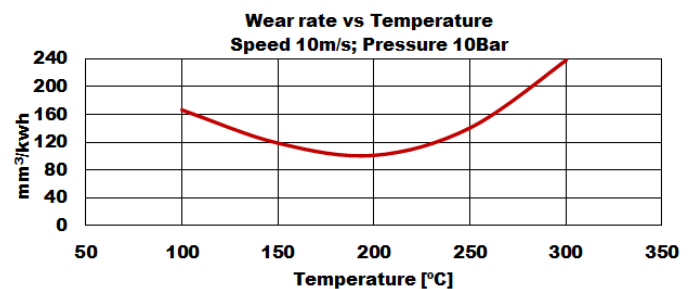
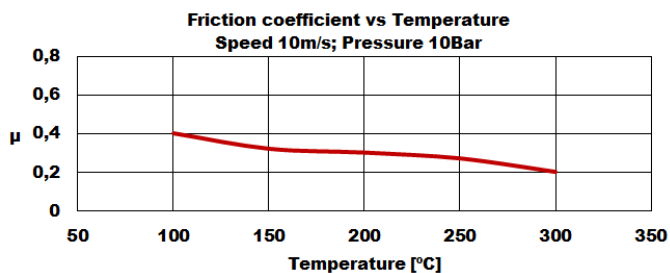
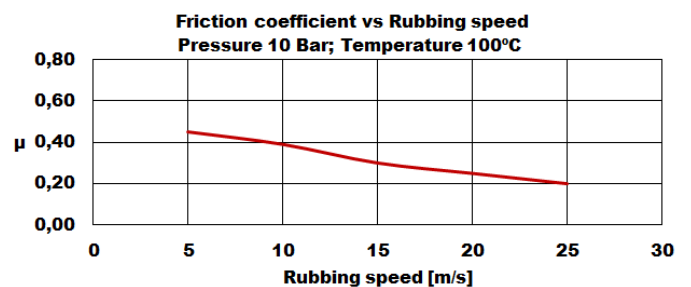
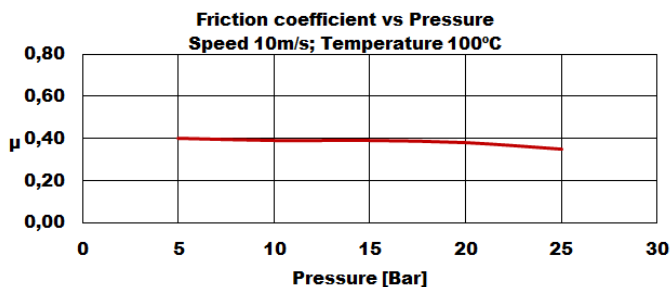
Heavy duty static applications - Heavy loaded Winches and Cranes -  
Heavy vehicle clutches - Heavy-duty industrial machinery -

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



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material.