

ID Material: 29  
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# NT-DV

NT-DV is red molded friction material composed with fibres. **It has excellent mechanical characteristics, high compression strength and resistant to high temperatures.** Specially designed for hard working conditions. The material consists phenolic resins with a NBR bonding system, short fibres, friction modifiers and fillers. NT-DV is fully cured and suitable for bonding and riveting.

## Material data

### Friction properties (according graphics)

Static Friction Coefficient (15bar, from box):	0.55±0.05	μ
Static Friction Coefficient (15bar, 100°C):	0.59±0.05	μ
Dynamic Friction Coefficient (10bar, 10m/s):	0.40±0.05	μ
Wear Rate (79N, 7m/s):	60±10	mm³/Kwh
T° Fading (100N, 11.5m/s):	330±10	°C

### Physical properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792-91):	1.9±0.05	gr/cm³
Ignition Loss (ASTM D-2524):	40±2	%
Acetone Extraction ISO2859-1:	2±0.2	%

### Mechanical properties

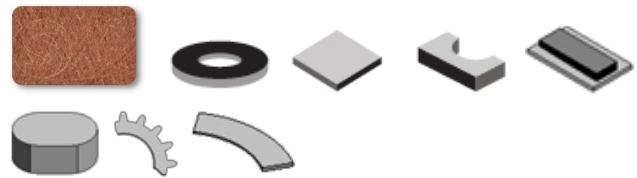
Tensile Strength (ASTM D638-10):	23±5	N/mm²
Compressive Strength (UNE 53205):	174±5	N/mm²

### Recommended Working Values

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

Material type : Rigid material

### Appearance / Formats



### Applications

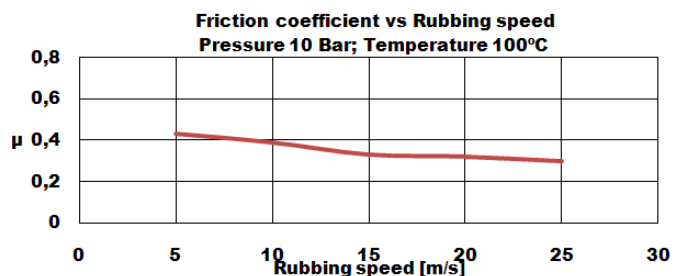
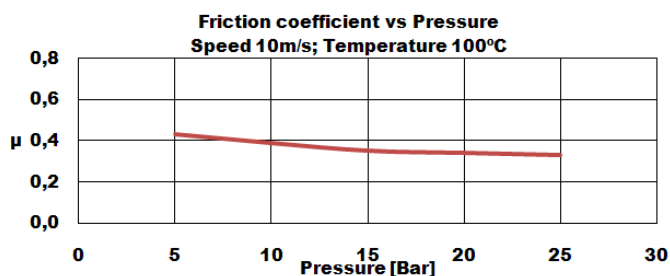
Brake blocks - Forging machinery - Heavy duty static applications - Industrial clutches - Punch-die press blocks - Rings segments for machinery - Torque limiter -

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



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.