

ID Material: 29
Rble: R. Antich
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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 (10bar, 15m/s):	75±10	mm ³ /Kwh
T ⁹ Fading (10bar, 10m/s):	>350°C	°C

Physical properties

Hardness (DIN53505):	90±5	Shore-D
Specific Gravity (ASTM D792-91):	1.9±0.05	gr/cm ³
Ignition Loss (ASTM D-2524):	40±2	%
Acetone Extraction ISO2859-1:	2±0.2	%
Thermal Conductivity (ASTM E1952-01):	0.27±0.1	W/m ² K

Mechanical properties

Tensile Strength (ASTM D638-10):	30±5	N/mm ²
Compressive Strength (UNE 53205):	175±5	N/mm ²
Poisson Coefficient:	0.24±0.03	
Young Modulus (ASTMD 638-10):	8400±100	N/mm ²

Recommended Working Values

T° Max. Continuous Operation:	300	°C
T° Max. Intermittent Operation:	400	°C

Material type : Rigid material

Appearance / Formats



Blocks Bonded Gear Machined Rings Sheets

Applications

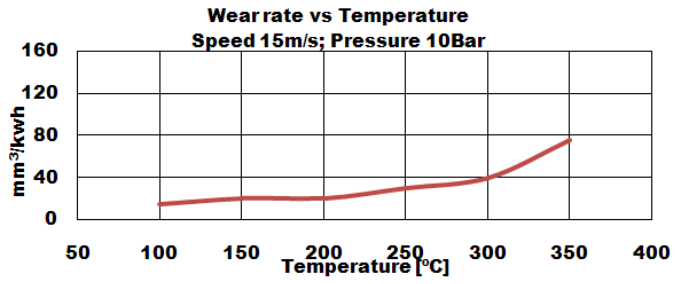
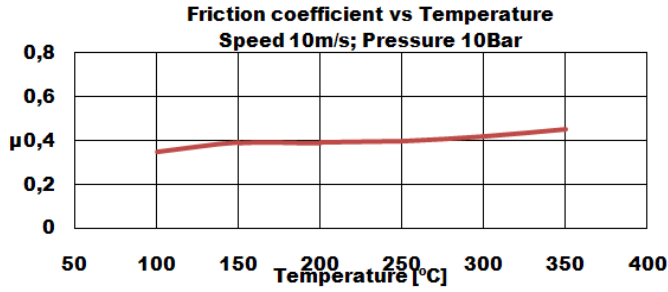
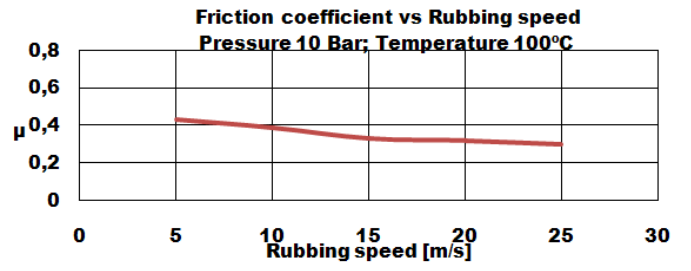
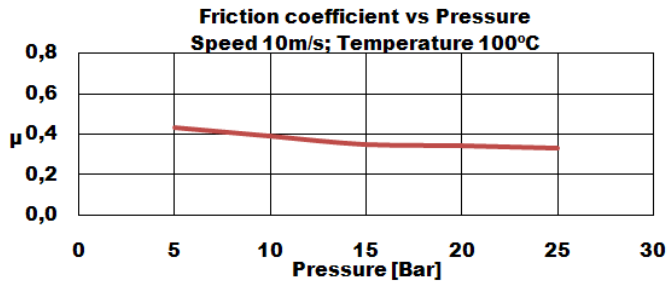
Brake blocks - Forging machinery - Heavy duty static applications - Industrial clutches - Punch-die press blocks - Rings segments for machinery - Torque limitator -

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.