
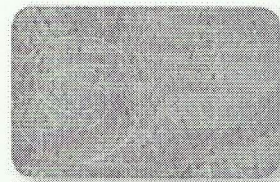
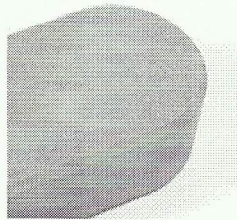
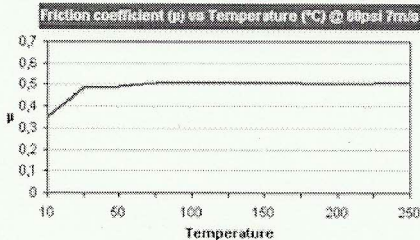
 NT-DV.pdf

 NTDV(SAFETY DATA SHEET).pdf

Friction Material: NT-DV

Technical Data

NT-DV is a red moulded friction material composed of fibres. **Excellent mechanical properties, high compression strength, and also resistant to high temperatures.** Specially designed for hard working conditions. The material comprises of mainly phenolic resins with a NBR bonding system, short fibres, friction modifiers and fillers. It is a fully cured material and is suitable for both bonding and riveting.



Description Material

Type: Rigid moulded friction material
Availability: Groove and drilled discs
 Sheets
 Finished parts
Applications: Industrial clutches
 Gear discs for industrial devices
 Rings segments for machinery
 Heavy-duty industrial machinery
 Forging machinery
 Torque limiter
 Punch-die press blocks

Friction properties (F.A.S.T test)

Dynamic Friction Coefficient (@79N, 7m/s): $0.50 \pm 0.05 \mu$
Wear Rate (@79N, 7m/s): $60 \pm 10 \text{ mm}^3/\text{Kwh}$
T $^{\circ}$ Fading (@100N, 11.5m/s): 330°C

Physical Properties

Hardness (DIN53505): $90 \pm 5 \text{ Shore-D}$
Specific Gravity (ASTM D792-91): $1.9 \pm 0.05 \text{ gr/cm}^3$
Ignition Loss (ASTM D-2524): $40 \pm 2 \%$
Acetone Extraction ISO2859-1: $2 \pm 0.2 \%$

Mechanical Properties

Tensile Strength (ASTM D638-10): 23 N/mm^2
Compressive Strength (UNE 53205): 174 N/mm^2

Recommended working values

T $^{\circ}$ Max. Continuous Operation: 250°C
T $^{\circ}$ Max. Intermittent Operation: 350°C

Others

Recommended Mating Surface: Perlitic cast iron, hardness HB150-200
Recommended Adhesives: Thermosetting adhesive.
Oil Resistant: Yes