

Formulation

BRAKE LINING NA-002

NA-002 is a medium friction asbestos free Brake Linings. Structural integrity of this material is attained through a blend of mineral fibers, acrylic, natural graphite, steel wool and glass fiber. This material has excellent heat stability with gentle mating surface. NA002 is consistent in performance over wide range of duty cycles.

It has low fade and wears resistance with good recovery characteristics.

APPLICATION:-

Heavy duty Tractor, Trailers, Trucks and passenger buses.

TECHNICAL DETAILS:-

Co-efficient of friction (μ) 0.43

RECOMENDED OPERATING RANGE:-

Maximum temperature 345°C
 Maximum continuous operating temperature: 205°C
 Maximum operating pressure (Air Brake) 5.5 Bar

TYPICAL PHYSICAL PROPERTIES

Specific Gravity 1.95
 Hardness 85 HRL
 Heat swells @ 200 Deg.C 0.20mm
 Water swell 0.03mm
 Cross breaking strength 380 kg / cm²
 Rivet holding capacity 210 kg / cm²
 Maximum continuous operating temprature (Deg. C) 250°C

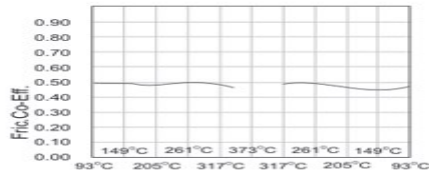
Classification as per SAE J661

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TYPICAL CHEMICAL PROPERTIES

Acetone extract 1.5%
 Loss on ignition 38%

TYPICAL FRICTION FADE & RECOVERY PROPERTIES



BRAKE LINING NA-003

NA-003 is a light friction asbestos free Brake Linings. Structural integrity of this material is attained through a blend of mineral fibers, acrylic, synthetic graphite, rock wool, calcinide petro coke and high glass fiber. This material has excellent heat stability with gentle mating surface. NA003 is consistent in performance over wide range of duty cycles even on hard surfaces.

It has low fade and wears resistance with good recovery characteristics.

APPLICATION:-

Heavy duty Tractor, Trailers, Trucks and passenger buses.

TECHNICAL DETAILS:-

Co-efficient of friction (μ) 0.42

RECOMENDED OPERATING RANGE:-

Maximum temperature 345°C
 Maximum continuous operating temperature: 205°C
 Maximum operating pressure (Air Brake) 5.5 Bar

TYPICAL PHYSICAL PROPERTIES

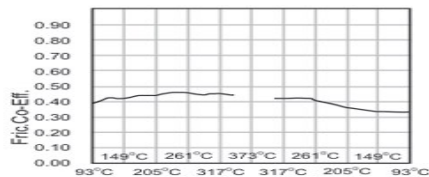
Specific Gravity 2.1
 Hardness 90 HRL
 Heat swells @ 200 Deg.C 0.10mm
 Water swell 0.02mm
 Cross breaking strength. 420 kg / cm²
 Rivet holding capacity 250 kg / cm²
 Maximum continuous operating temprature (Deg. C) 250°C
 Classification as per SAE J661

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TYPICAL CHEMICAL PROPERTIES

Acetone extract 0.9%
 Loss on ignition 39%

TYPICAL FRICTION FADE & RECOVERY PROPERTIES



BRAKE LINING NA-001

NA-001 is a high friction, asbestos free Brake Linings. Structural integrity of this material is attained through a blend of mineral fiber, acrylic fiber, aramid fiber and glass fiber. This material has excellent heat stability with gentle mating surface. NA001 is consistent in performance over wide range of duty cycles.

It has low fade and wear resistance with good recovery characteristics.

APPLICATION:-

Heavy duty Tractor, Trailers, Trucks and passenger buses.

TECHNICAL DETAILS:-

Co-efficient of friction (μ) 0.48

RECOMENDED OPERATING RANGE:-

Maximum temperature 345°C
Maximum continuous operating temperature: 205°C
Maximum operating pressure (Air Brake) 5.5 Bar

TYPICAL PHYSICAL PROPERTIES

Specific Gravity 2.0
Hardness 90 HRL
Heat swells @ 200 Deg.C 0.15mm
Water swell 0.02mm
Cross breaking strength 410 kg / cm²
Rivet holding capacity 220 kg / cm²
Maximum continuous operating temperture (Deg. C) 250°C

Classification as per SAE J661

GG

TYPICAL CHEMICAL PROPERTIES

Acetone extract 1.2%
Loss on ignition 36%

TYPICAL FRICTION FADE & RECOVERY PROPERTIES

