



INDUSTRIAL WOVEN BRAKE ROLL LINING (ASBESTOS FREE QUALITY)

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MATERIAL

Asian Industrial Asbestos-Free Woven Brake Roll Lining of Bonded Asbestos-Free Quality is made from specially selected yarn with high Friction Properties. It incorporates a specially developed Glass Fiber content roving with man-made fiber covering for chemical impregnation. Additionally, it includes adequately annealed fine brass wire with appropriate flexibility in a DREFIL machine spinning process. A natural resin, specially developed through exclusive in-house R&D, is utilized as the bonding agent.

MACHINERY

The Asian-53 AF woven brake lining is manufactured under three distinct divisions. The weaving division houses mechanized power-driven looms and twisted machines. The treatment division comprises a sophisticated chemical treatment and heat treatment plant, both equipped with auto control attachments. This division further includes mechanized power-driven equipment for pressing. The dispatch division is equipped with electrically operated parting and grinding facilities.



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METHOD

The Asian brand brake lining adopts a process where asbestos-free yarn is reinforced with brass wire by spinning it around metallic wire.

The reinforced yarn with wire is woven on a power loom into the shape of a belt with predetermined thickness, width, and length. The solid woven belt is then impregnated with the bonding medium and ultimately cured to the level determined by in-house R&D.

TECHNICAL FINDINGS OF WOVEN BRAKE ROLL LINING

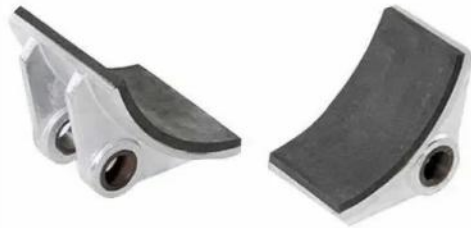
PARAMETERS	RESULT
Coefficient of Friction	0.40 to .046
Hardness(D Shore)	D65 to D75
Specific Gravity	1.4 to 1.45
Tensile Strength in Room Temperature	185-190 Kg/cm ²
Comprehensive Strength	580 to 625 kg/cm ²
Water Swelling	Below 1%
Maximum Continuous Temperature	150 Deg C
Maximum operation temperature in Room Temperature	250 Deg C
Comprehensive Strength	580 to 625 kg/cm ²
Water Swelling	Below 1%

APPEARANCE

The Asian lining conforms in gold color, and both surfaces are ground or left ungrounded as per customers' requirements. However, the edges receive a smooth ground finish.



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MATRIX

Asian industrial brake lining possesses high mechanical strength imparted by the heterogeneous composition of selected ingredients. The woven mechanism contributes a significant amount of flexibility, while the metallic component induces an inherent property to efficiently dissipate the heat generated during application. This quality of good thermal conductivity, along with the specially developed bonding medium, attributes the following in particular.

- To maintain a constant coefficient of friction over a wide range of temperature.
- To retain the physical properties on a prolonged developed heat in extreme application/environmental condition.
- To resist all micro and micro vibrations arising out of hazardous operational condition.
- To possess a low wear rate with an optimum anti-fade feature.

Asian- 53 lining conforms to the version and amendment of SI 2742. The lining Basically assure to satisfy the necessary prime focus-THE SAFETY

AVAILABILITY

The Asian liner, based on its excellent suitability, finds a wide variety of industrial usage as a frictional material on brake drums/bands & clutch plates of underground haulages, mine-winding appliances, winches, drop-hammers, excavators, cranes, lifts, road rollers, shovels, sugar mill centrifuges, concrete mixers, drilling units, etc.



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