

NON ASBESTOS FRICTION BAND

Composition: Multilayer friction band is manufactured in AVKO JSC on unique equipment for multilayer weaving of tapes with different thickness. Multilayer weaving allows producing of layer with controlled thickness up to 18 mm, using special programme.

Advantage: The great advantage of multilayer weaving is prolonging of working life of friction products and high reliability. It is based on characteristics of the tape, that wearing of the fibers during work will not damage or ruin the homogeneity of the product. Multilayer weaving ensure that homogeneity, elasticity and stability of the parameters in the whole section of the product. Very important advantage is improved work of the two surfaces - brake cylinder and brake band.

Composition is from organic and texturized glass fibers, reinforced copper wires or brass. Sometimes can be added aramide fibers for better strength. The tape is impregnated with special heat programme with advance chemical composition. Phenolformaldehyde is specially avoided in the composition.

TECHNICAL PARAMETERS

Working temperature	200°C
Water absorbtion for 24 h	< 3,5 %
Oil Absorbtion for 24 h	< 2%
Friction coefficient to cast iron	min 0,30
Linear wearness for 2 h	max 0.20 mm/2h
Dimensions	Width 20 to 250 mm thickness 5 to 22 mm
Hardness on Brinel	10-14



Reinforcement is made with soft copper/brass wire, which improve strength and work of the friction product, through transferring of the heat from the contact zone and stabilize stopping process, especially in the cases of low speed of slipping.

Application: Described above advantages and parameters determined using of friction band at heavy working conditions for big brake cylinders in elevators, ship engines, anchors, lifters, rotor excavators, etc. Main application is in minning and cement industry, shipyards, etc

Test method for linear wearness: Smoothness of body of cast iron - >5; specific pressure over the sample 2,7 daN/cm²; linear speed - 7-7,5 m/s, temperature on the surface 100-135 C

Standards: The band is manufactured according AVKO-C-2500-0.

Every 2 years is passing government agency control in central laboratory

Health hazardous: Not detected.