

Multibrake 3806

Multibrake 3806 is a semi-flexible, closely woven material. It is based on yarn spun from a blend of glass and synthetic fibres together with a fine copper wire to enhance its strength and heat dissipation properties.

Multibrake 3806 has a high coefficient of friction and performs well in wet and damp environments which makes it particularly suited for marine applications. Multibrake 3806 is recommended for use in:

- Industrial clutches, drum and band-brakes
- Marine towing winches
- Miscellaneous industrial devices

Multibrake 3806 may be bonded using any of the established adhesives recommended for friction material. However, to obtain the best results it is necessary to use a thermosetting adhesive. Multibrake 3806 can be used against a mating surface from a good quality, fine grained, pearlitic cast iron or cold rolled steel with a Brinell hardness of 180. Cast steels are not recommended.

Properties	Units	
Shear strength (Ultimate)	MPa	17,2
Tensile strength (Ultimate)	MPa	24,0
Compressive strength (Ultimate)	MPa	100,0
Rivet holding capacity	MPa	61,8
Density	g/cm ³	1,20
Thermal conductivity	W/m °C	0,79
Colour	-	Brown
Friction for design purposes		
Static (cold)	μ	0,45
Dynamic	μ	0,42
Recommended Operating Range		
Pressure	MPa (dynamic)	0,07 – 0,86
	MPa (static)	0,07 – 2,41
Maximum rubbing speed	m/s	25
Maximum continuous temperature	°C	110
Maximum intermittent temperature	°C	180
Maximum temperature	°C	225

Availability:

Multibrake 3806 can be delivered as roll and sheet cut-offs and finished parts.

Sheet: Size: 660 x 1000 mm
 Thickness: 4,8 – 16,0 mm

Rolls: Maximum Length: 10 m
 Maximum width: 510 mm
 Thickness: 3,2 – 20 mm

Parts: Finished products conform drawing