

Multibrake 3920

Multibrake 3920 is a rigid moulded friction material, light green in colour. Multibrake 3920 is a non-asbestos basis of short steel filaments in a random dispersion to enhance its heat dissipation properties and strength. It incorporates a blend of carefully selected friction modifiers and a binder which has been specially developed to enhance its properties. Whilst not affected physically by slight oil contamination, this material is not intended to operate in oil.

Multibrake 3920 is recommended for:

- Industrial drum and band-brakes
- Crane and excavator brake and clutch linings
- Miscellaneous industrial devices

Multibrake 3920 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 3920 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 200. Cast steels are not recommended.

Properties	Units	
Shear strength	MPa	12
Tensile strength	MPa	15
Compressive strength	MPa	93
Density	g/cm ³	2,30
Colour	-	Light Green
Rivet Holding Capacity	MPa	86
Thermal Conductivity	W/m°C	1.034
Friction for design purposes		
Dynamic Friction Coefficient	μ	0,42
Static Friction Coefficient	μ	0,38
Recommended Operating Range		
Maximum pressure	MPa (dynamic)	0,07 – 0,86
	MPa (static)	0,07 – 2,41
Maximum rubbing speed	m/s	25
Maximum continuous temperature	°C	175
Maximum intermittent temperature	°C	225
Maximum temperature	°C	300

Availability:

Multibrake 3920 can be delivered as sheet cut-offs and finished parts.

Rolls: Maximum Length: 5000 mm
 Maximum width: 330 mm
 Thickness: 4,0 – 12,7 mm

Parts: Finished products conform drawing