

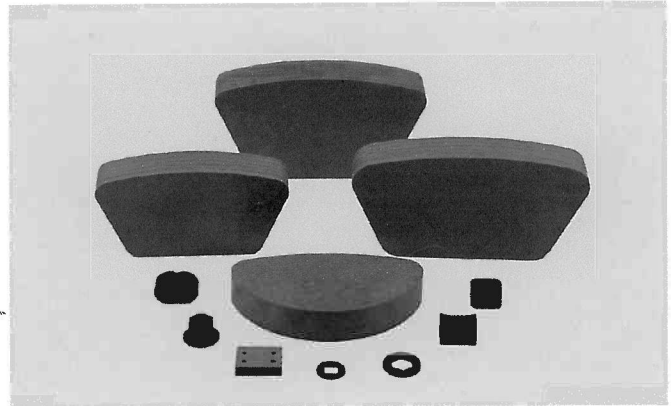
Friction Pad M3020

Description

M3020 is a rigid moulded, medium high coefficient friction material. It contains a very small quantity of metallic powder. It is supplied in segments or slabs. M3020 has excellent fade and recovery stability.

M3020 is a heavy duty, multipurpose material recommended for use in industrial and other applications such as off road vehicles and friction discs. The material exhibits superior strength and rigidity compared to other offered materials.

M3020 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.



Short material description

Woven
Moulded x
Oil-Resistant
Metallica x
Asbestos free x

Material availability

Sheet x
Roll
Lining
Disc

Flat lab size 762 x 762mm
Thickness 3,2 to 13mm
Flat lab size 500 x 400mm
Thickness 70mm

The information supplied in this data sheet is believed to be accurate and reliable, and was obtained by scientific and laboratory testing. However, since actual conditions of use are largely outside the control of Kühne-Intertech, it is suggested that this material be thoroughly tested and its suitability for use be determined before final acceptance.

Physical / Mechanical properties

| | |
|-----------------------------------|-----------------------|
| Density | 2,0 g/cm ³ |
| Ultimate shear strength | 42 N/mm ² |
| Tensile strength | 24 N/mm ² |
| Ultimate compressive strength | 110 N/mm ² |
| Coefficient of Friction - normal | 0,49 |
| Coefficient of Friction - hot | 0,5 |
| Coefficient of Friction - @ 100°C | 0,48 |
| Static @ 100°C | 0,55 |
| Static @ 200°C | 0,50 |

Recommended operating range

| | |
|----------------------------|----------------------|
| Max. Unit Pressure | 17 N/mm ² |
| Maximum rubbing speed | 25 m/s |
| Maximum intermittent temp. | 345 °C |
| Maximum continuous temp. | 315 °C |

Temperature Sensitivity

