BREMSKERL 5710

Material description
metal free, non flexible, grey-black, brown, Rubber-resin-bonded, pressable, asbestos-free

Availability
pads moulded to customer drawings, rings, sheets

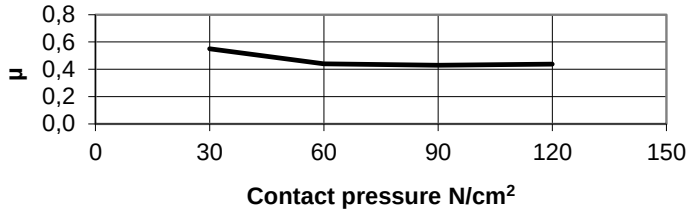
Applications
Brakes and clutches for usual mechanical engineering, electro-magnetic brakes and clutches, disc brake pad for industrial applications, Monoblockapplication, cranes, winches, lifting equipment

Technical Data

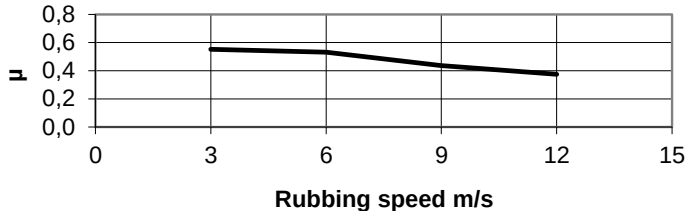
mean friction coefficient µ (dry) for design purposes				0,40
recommended range of performance:				
p max [N/cm²]				350
v max [m/s]				30
Max. application temperature [°C]				
continuously				250
intermittently				400
Hardness at 20°C	ISO 2039-1	[N/mm²]	approx.	110
Tensile strength at 20°C	ISO 527	[MPa]	approx.	15
Impact strength at 20°C	DIN 179-1	[kJ/m²]	approx.	3
Specific weight	DIN 53479	[g/cm³]		1,8
Bondability				good

Not tested for oil-immersed applications, occasional splashes not detrimental

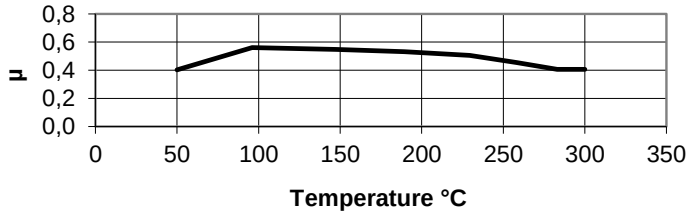
Friction characteristics



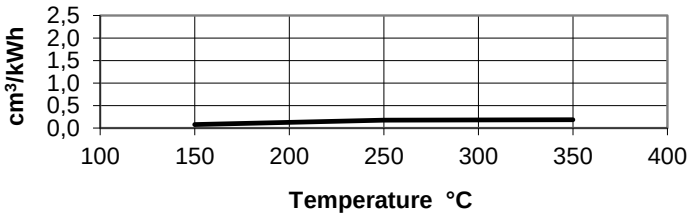
v = 6 m/s
T = 150°C



p = 60 N/cm²
T = 150°C



Continuos braking
v = 6 m/s
p = 60 N/cm²



spec. wear rate
v = 15 m/s
p = 50 N/cm²

Test conditionen: sample size: 2x5 cm², counter material: EN-GJL-250, disc brake

The maximum pressure / temperature / speed should not occur simultaneously.
This information is advisory and is to our best knowledge.
All the physical properties shown above are mean values.

The friction coefficients determined by small-scale brake lining tests may not be compatible to practice and further tests may be required.

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