BREMSKERL 4818

Material description
magnetic components, flexible, grey-black, Rubber-resin-bonded, asbestos-free

Availability
in rolled form up to 10 m length, Wire Mesh Backing, With Slits (for forming to diameter)

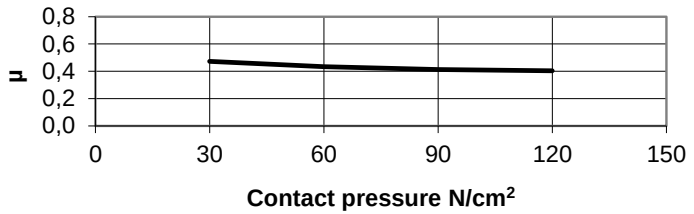
Applications
Brakes and clutches for usual mechanical engineering, disc brake pad for industrial applications, cranes, winches, lifting equipment

Technical Data

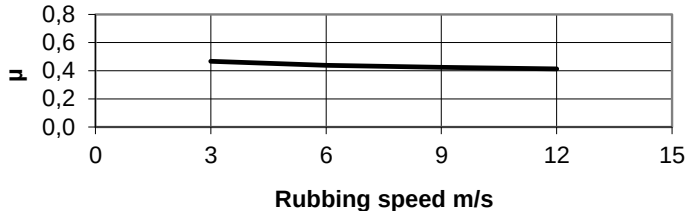
mean friction coefficient µ (dry) for design purposes				0,40
recommended range of performance:				
p max [N/cm²]				200
v max [m/s]				40
Max. application temperature [°C]				
continuously				250
intermittently				450
Hardness at 20°C	ISO 2039-1	[N/mm²]	approx.	20
Tensile strength at 20°C	ISO 527	[MPa]	approx.	5
Impact strength at 20°C	DIN 179-1	[kJ/m²]	approx.	14
Specific weight	DIN 53479	[g/cm³]		2,2
Bondability				good

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

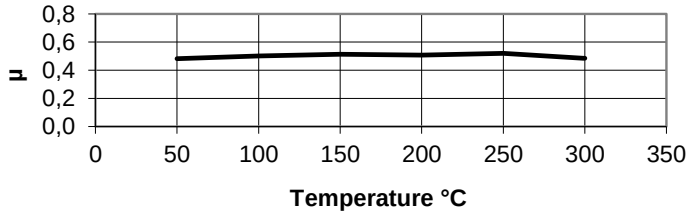
Friction characteristics



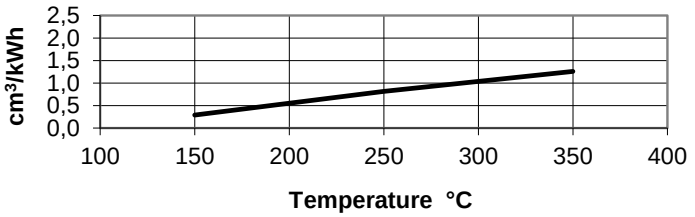
v = 6 m/s
T = 150°C



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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