BREMSKERL 5300

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

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

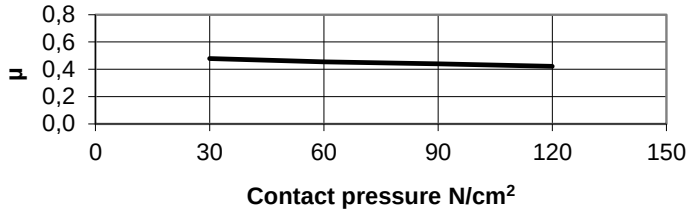
Applications
Brakes and clutches for usual mechanical engineering, cranes, winches, lifting equipment

Technical Data

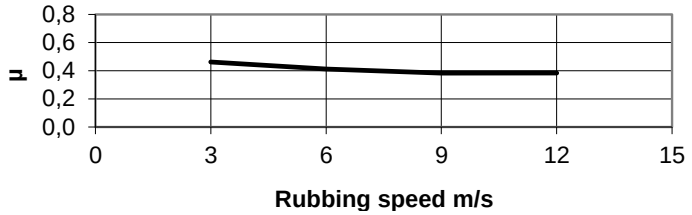
mean friction coefficient µ (dry) for design purposes				0,35
recommended range of performance:				
p max [N/cm²]				200
v max [m/s]				36
Max. application temperature [°C]				
continuously				250
intermittently				400
Hardness at 20°C	ISO 2039-1	[N/mm²]	approx.	12
Tensile strength at 20°C	ISO 527	[MPa]	approx.	4
Impact strength at 20°C	DIN 179-1	[kJ/m²]	approx.	15
Specific weight	DIN 53479	[g/cm³]		2,2
Bondability				good

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

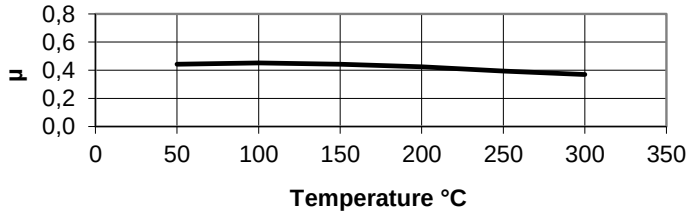
Friction characteristics



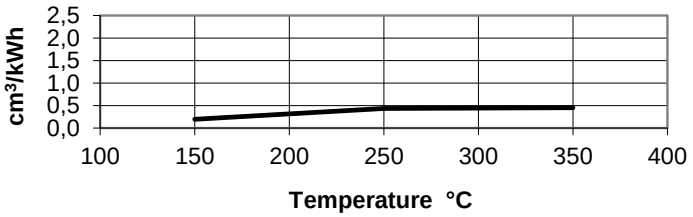
v = 6 m/s
T = 150°C



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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