

BREMSKERL 5904

Material description

metal free, less flex, grey-black, Rubber-resin-bonded, asbestos-free

Availability

pads moulded to customer drawings, rings, sheets, strips

Applications

Brakes and clutches for usual mechanical engineering, electro-magnetic brakes and clutches

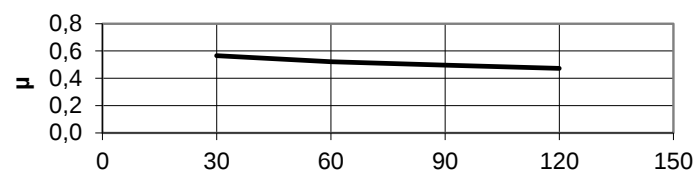
Technical Data

mean friction coefficient μ (dry) for design purposes	0,38
recommended range of performance:	
p max [N/cm ²]	120
v max [m/s]	20
Max. application temperature [°C]	
continuously	300
intermittently	350
Hardness at 20°C	ISO 2039-1 [N/mm ²] approx. 40
Tensile strength at 20°C	ISO 527 [MPa] approx. 5
Impact strength at 20°C	DIN 179-1 [kJ/m ²] approx. 6
Specific weight	DIN 53479 [g/cm ³] 2,1
Bondability	good

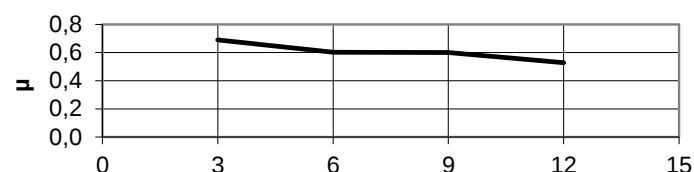
Can be used in oil-immersed applications, dependent on oil type

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.

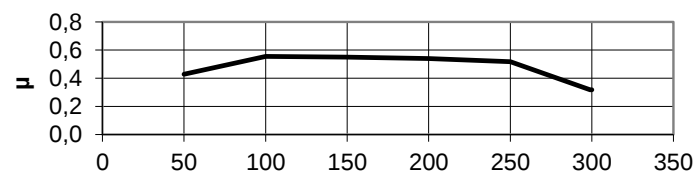
Friction characteristics



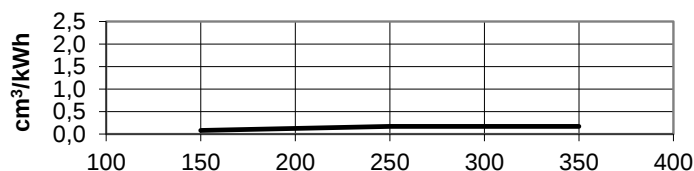
v = 6 m/s
T = 150°C



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

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

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