

BREMSKERL 4500

Material description

non magnetic components, flexible, brown, woven belt, asbestos-free

Availability

rolls

Applications

cranes, winches, lifting equipment, usual band brakes, anchor-winch

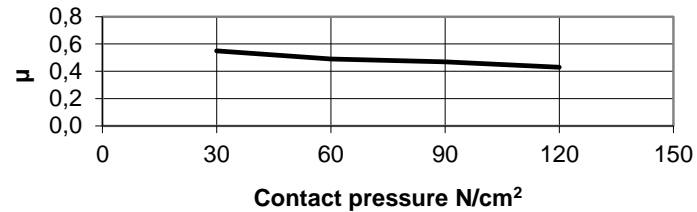
Technical Data

| | | |
|---|---------------------------------|------------|
| mean friction coefficient μ (dry) for design purposes | | 0,39 |
| recommended range of performance: | | |
| p max [N/cm ²] | | 200 |
| v max [m/s] | | 24 |
| Max. application temperature [°C] | | |
| continuously | | 250 |
| intermittently | | 400 |
| Hardness at 20°C | ISO 2039-1 [N/mm ²] | approx. 35 |
| Tensile strength at 20°C | ISO 527 [MPa] | approx. 12 |
| Impact strength at 20°C | DIN 179-1 [kJ/m ²] | approx. 7 |
| Specific weight | DIN 53479 [g/cm ³] | 1,2 |
| Bondability | | good |

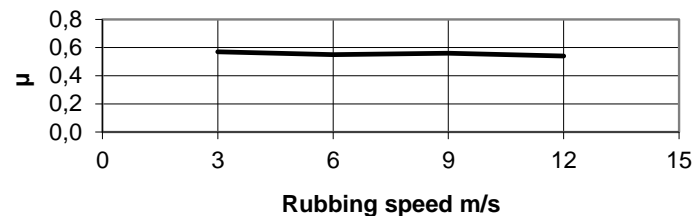
Not tested for oil-immersed applications, occasional splashes not detrimental

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.

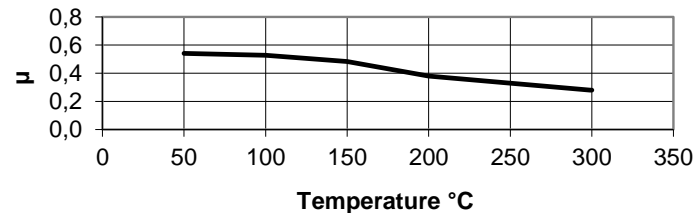
Friction characteristics



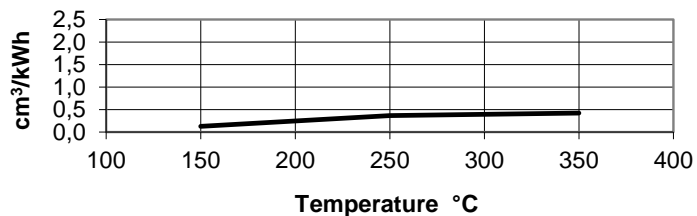
$v = 6$ m/s
 $T = 150^\circ\text{C}$



$p = 60$ N/cm²
 $T = 150^\circ\text{C}$



Continuous 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

