

BREMSKERL 5300

Material description

Synthetic rubber - resin bonded, with steel fibres, grey in colour, flexible, asbestos-free

Availability

Available in 10m rolls, up to 12 mm thick, with or without wire-backing.
Also available in sheet or strip form and finished products to customer drawings.

Applications

Brakes and clutches in cranes, winches, fork-lifts and other industrial applications.

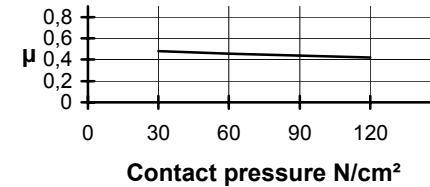
Technical Data:

mean friction coefficient μ (dry) for design purposes		ca.	0,35
recommended range of performance:			
a) p max [N/cm ²]			200
b) v max [m/s]			36
Max. application temperature [°C]			
a) continuously			250
b) intermittently			400
Hardness at 20°C	DIN 53456	[N/cm ²]	ca. 3500
Tensile strength at 20°C	ISO 527	[N/cm ²]	ca. 400
Impact strength at 20°C	DIN 53453	[Ncm/cm ²]	ca. 120
Specific weight	DIN 53479	[g/cm ³]	2,10
Bondability			good

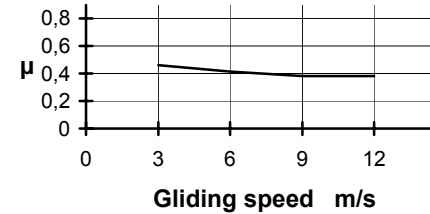
Not suitable for use in oil, occasional splashes not detrimental.

The maximum pressure / temperature / speed should not occur simultaneously.
This information is advisory and is to our best knowledge.

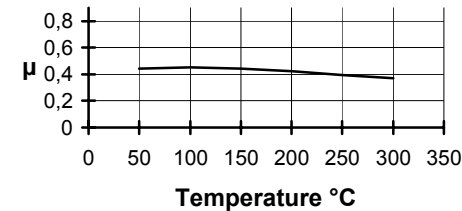
Friction characteristics from small scale tests



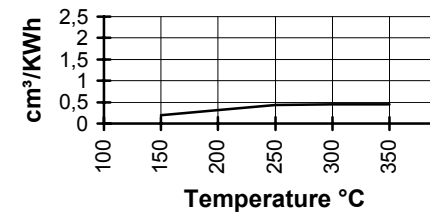
v= 6 m/s
T= 150 °C



p= 60 N/cm²
T= 150 °C



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



spec. wear rate
v=15 m/s
p= 50 N/cm²

Test conditions : Sample size: 2 x5 cm², Counter material: GG 26 ,Disc brake

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

BREMSKERL - REIBBELAGWERKE

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