

# BREMSKERL 5504

## Material description

metal free, flexible, grey-black, Rubber-resin-bonded, asbestos-free

## Availability

in rolled form up to 10 m length, bulk stock in adjusted lengths , 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 $\mu$ (dry) for design purposes	.....	0,35
recommended range of performance:		
$p$ max [N/cm <sup>2</sup> ]	.....	200
$v$ max [m/s]	.....	40
Max. application temperature [°C]		
continuously	.....	250
intermittently	.....	400
Hardness at 20°C	ISO 2039-1 [N/mm <sup>2</sup> ]	approx. 20
Tensile strength at 20°C	ISO 527 [MPa]	approx. 4
Impact strength at 20°C	DIN 179-1 [kJ/m <sup>2</sup> ]	approx. 5
Specific weight	DIN 53479 [g/cm <sup>3</sup> ]	2,0
Bondability	.....	good

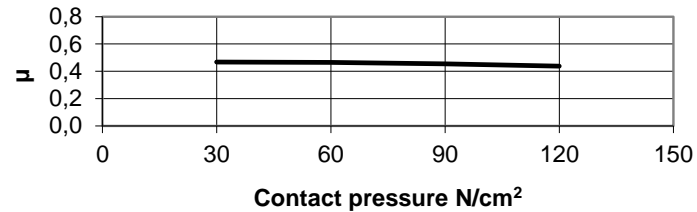
Not tested for oil-immersed applications, occasional splashes not detrimental

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.

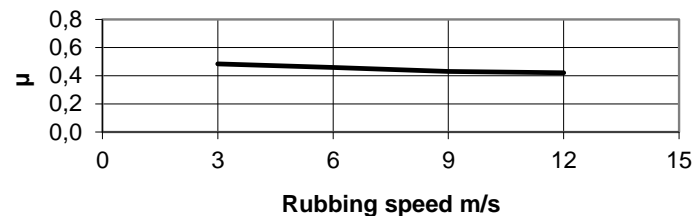
## Friction characteristics

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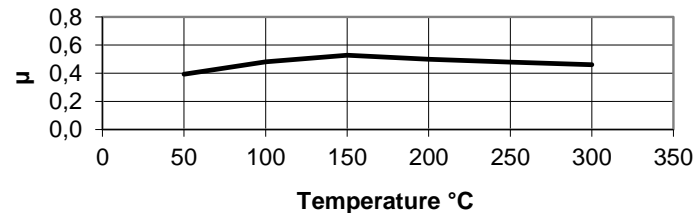
Der Spezialist für Brems- und Kupplungsbeläge  
The specialist for brake and clutch linings



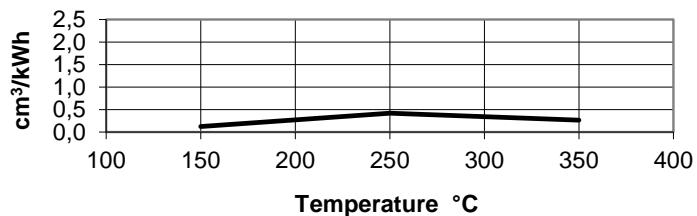
$v = 6$  m/s  
 $T = 150$  °C



$p = 60$  N/cm<sup>2</sup>  
 $T = 150$  °C



Continuous braking  
 $v = 6$  m/s  
 $p = 60$  N/cm<sup>2</sup>



spec. wear rate  
 $v = 15$  m/s  
 $p = 50$  N/cm<sup>2</sup>

Test conditionen: sample size: 2x5 cm<sup>2</sup>, counter material: EN-GJL-250, disc brake

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