

## Technical data sheet Grade: KE-1001

<b>Material Description</b>	:	Non-asbestos friction material with strong Kevlar fibre reinforcement, non-metallic, bound by special synthetic resins, medium friction level, high mechanical stability, stable friction coefficient at high temperatures, excellent wear resistance, salt water resistant
<b>Availability</b>	:	flat sheets, rings, segments, blocks, after drawing
<b>Applications</b>	:	heavy-duty industrial applications, wind turbine azimuth brakes, hydro generators

Technical Data		Measured Values *	Unit
Average Friction Coefficient			
dry			
dynamic		0,30	μ
static		0,32	μ
Recd.Surface Pressure			
Continuous, dynamic		5	N/mm <sup>2</sup>
Max. short time		1,5	N/mm <sup>2</sup>
adm. Gliding Speed			
continuous		15	m/s
Max. short time		30	m/s
adm. Temperature			
continuous		350	° C
short time		600	° C
Cross breaking strength at 20 °C		65	N/mm <sup>2</sup>
Compressive Strength at 20 °C		165	N/mm <sup>2</sup>
Recommended Mating Material		Steel, grey cast iron, spheroid cast iron	
Bonding Ability		excellent	
Oil Resistance		excellent	
Density		2,0	g/cm <sup>3</sup>

*\* The afm. data were obtained from partial lining tests and are average values. The maximum adm. stress data should not be demanded simultaneously. In case of new developments or quality rearrangements we recommend you to test the suitability of the friction material.*