

Technical data sheet Grade: AL-12

Material Description	:	Non-asbestos friction material with extremely high amount of inorganic and metallic (steel wool and brass chips) reinforcing fibre system, with powder base. For high friction
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	:	
Availability	:	flat sheets, rings, segments, press and draw blocks , after drawing
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Applications	:	heavy-duty industrial high pressure applications, clutches , blocks
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Technical Data		Measured Values *	Unit
Average Friction Coefficient			
dry			
dynamic		0.45	μ
static		0.50	μ
Recd.Surface Pressure			
Continuous, dynamic		5	N/mm ²
Max. short time		1.5	N/mm ²
adm. Gliding Speed			
continuous		20	m/s
Max. short time		40	m/s
adm. Temperature			
continuous		200	° C
short time		375	° C
Cross breaking strength at 20 °C		57	N/mm ²
Compressive Strength at 20 °C		158	N/mm ²
Recommended Mating Material		Steel, grey cast iron, spheroid cast iron	
Bonding Ability		excellent	
Oil Resistance		excellent	
Density		2.20	g/cm ³

** The adm. 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.*