

## Datasheet AS 324

**Material description:** Asbestos-free, rigid friction material based on phenolic resins with NBR rubber bonding system, short fibers, friction modifiers, metal particles and fillers.

**Application:** Friction material for industrial applications in clutches, brake calipers, gear discs for industrial devices, brake blocks, rings and segments for machinery, heavy-duty industrial machinery, forging machinery, electromagnetic brakes recommended friction surface: pearlite grey cast iron.

**Resistance:** Resistant to oil.

- (1): Test standard.  
(2): No test standard.

The listed temperatures in this datasheet are average friction surface temperatures at the surface of brake lining and/or drum or disc. By the maximum permitted temperature (intermittent operation) is meant a peak value that might be reached in an emergency situation. If this temperature is lasting for more than two minutes, the friction material can get permanently damaged. To exceed this temperature limit can cause as well a very strong decrease of the friction coefficient. The maximum temperature in the area of lining attachments shall generally not exceed the value of 200 °C. Differences in color cannot be excluded due to natural raw materials.

Availability	Unit	Value
Width	mm	>30
Length	mm	<760

Physical Properties	Test Standard	Unit	Value
Density (specific gravity)		g/cm <sup>3</sup>	1.85±0.05
Hardness (shore D)	DIN 53505		87±5 <sup>(2)</sup>
Dynamic friction coefficient $\mu$ (79 N, 7 m/s)			0.4±0.05

Thermal Properties	Test Standard	Unit	Value
Temperature (intermittent max. permanent)		°C	<350
Temperature (continuous max. permanent)		°C	<250

### Friction Properties

