



> material: **EKO** friction material

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Description

Its a moulded, asbestos free, friction material. The most noted properties of this material are its high friction coefficient, high temperature resistant, and a good wear rate.

Applications

Brake pads for automotives and trucks

Adhesives

The use of any well known thermosetting adhesive is recommended.

Rubbing surfaces

- Good quality, fine grained pearlitic cast iron with Brinell hardness of 150-200 is recommended.

Physical properties

Density(g/cm ³)	2,40 ± 0,05
Hardness (SHORE-D)	75-85
Ignition loss (%)	20 - 30

Friction properties

Friction coefficient (dynamic) μ (See graph)	0,50 ± 0,05
Wear rate (@ 79N, 7m/s) F.A.S.T	130 - 150mm ³ /Kwh
F.A.S.T. Test conditions (max temperature). The FAST is a 90 minute test at constant pressure and velocity, which reports response of friction coefficient vs temperature . These are maximum temperatures resistance before material lost coefficient.	
F=100N v=11m/s t=90min	400 °C
Recommended operating temperatures (max): Continuos operation	250 °C
Intermittent operation	350 °C

μ (Friction coefficient) vs temperature @79N/7m/s

