



## Material: FTL135.1

### Description

Its a moulded rigid material, manufactured with a high metallic base in order to enhance it dissipation properties.

It has stable performance even at extreme high temperature conditions.

### Applications

Very heavy industrial applications.  
Centrifugal brakes.  
Wind power brakes.

### 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<sup>3</sup> 3.70 g/cc
- Hardness (SHORE-D) 85-87
- Acetone extraction <2%
- Ignition loss 3.5%

### Friction Properties

Friction coefficient (dynamic)  $\mu$  0.45  $\pm$  0.05

Wear (@ 79N, 7m/s)  
F.A.S.T 60 - 66 mm<sup>3</sup>/Kwh

F.A.S.T. test conditions (max temperature)  
F=79N v=7m/s t=90min <250°C  
F=100N v=11m/s t=90min <400°C

### Recommended Operating Temperatures (max)

Continuous operation 300°C  
Intermittent operation 400°C

### Friction coefficient vs temperature

