



## Material: FTL157

### Description

FTL 157 Contains short cut fibres, the result is a material with good mechanical and frictional characteristics. Is capable of withstanding high shear and tensile forces.

### Applications

For applications with high mechanical resistance as toothed/ geared friction discs, stamping brake blocs, etc.

### Physical properties

• Density g/cm	1.80-1.85
• Hardness (SHORE-D)	80-85
• Acetone extraction	<2%
• Ignition loss	35-35.5%

### Friction properties

• Friction coefficient (dynamic) $\mu$ (See graph)	0.45 $\pm$ 0.05
• Wear rate (@ 79N, 7m/s) F.A.S.T	85mm <sup>3</sup> /Kwh

### Recommended operating temperatures (max):

- Continuous operation 250°C
- Intermittent operation 350 °C

### 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.

## $\mu$ (friction coefficient) vs temperature

