



Material: FTL168

Description

FTL168 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) μ
(See graph) | 0.45 \pm 0.05 |
| • Wear rate (@ 79N, 7m/s)
F.A.S.T | 85mm ³ /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.

μ (friction coefficient) vs temperature

