



FTL173.1

- FTL173.1 is the last generation of FTL clutch facings.
- Similar friction properties but higher stiffness.
- Smooth engagement and very high temperature resistance.

Applications

Clutch facing vehicle applications

Adhesives

The use of any well known thermosetting adhesive is recommended.

Rubbing Surfaces

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

Physical Properties

- Density gr/cm³ 1.80-1.90
- Hardness (shore D) 85-95
- Acetone extraction <2%
- Ignition loss 30-40

Mechanical Properties

Burst resistance
(200X137X3.5@200C°) >12.000rpm

Friction Properties

- Friction coefficient (Dynamic) μ (see graph) 0.40 ± 0.05
- Wear rate(@79N,7m/s)
Fast 35 - 45mm³/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 Material Data Sheet: Product Type: FTL173.1 are the maximum temperatures resistance before material lost coefficient.

- F=79N v=7m/s t=90min <250°C
- F=100N v=7m/s t=90min <305°C
- F=100N v=11m/s t=50min <310°C

- Recommended Operating Temperatures (max)
Continuous Operation 250°C
Intermittent operation 350°C

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

