



## Material: FTL174

### Description

Designed principally for most automotive clutch applications (passenger vehicles etc.), under normal operating conditions, FTL174 will offer a reliable, hard wearing, yet economic material suitable for replacement clutch facings- these facings having high resistance to burst and providing smooth engagement.

### Applications

The glass fibre reinforcement yard is spiral wound with a fine copper core - producing a strong base with good heat transfer properties.

Currently an estimated 3 million of these facings are installed each year in a wide range of vehicles.

### Primary Constituents

Spiral wound glass fibre yarn with a copper core Phenolic resin with NBR bonding system Fillers Friction modifiers

### Technical Data

Burst resistance (200 X 137 X 3.2) >12,000rpm @ 200°C 200 rpm/s  
9,500rpm for 5mins @ 200°C

Friction coefficient (from installation) 0.44 0.06

Typical wear rate (@ 80N, 7m/s, 300°C)  
as per F.A.S.T 60 ±12 mm<sup>3</sup>/kW.h

Max recommended operating temperatures  
continuous application 250°C  
intermittent application 350°C  
Specific gravity 1.82±0.06

Hardness (SHORE - D) 81±8

Acetone extraction <0.8%

Ignition loss 43 %± 4%

Tensile strength (ASTM D-638) 156 ±6 bar

### mue vs application temp (F.A.S.T const friction mode) @77N & 7m/s

