



# Don 7121

# Material Specification

# **Main Vehicle Applications**

Ford



MAN Leyland Mercedes Leyland/DAF Optare

#### Brake Type





#### **OE Status**

OE

Lucas, Perrot, Rockwell drum brakes.

### **General Description**

Don 7121 is a high factor friction material designed for commercial vehicles employing twin wedge, duplex and simplex brake systems. Its ability to perform with minimal wear and damage to brake drums and its low cost of ownership has made it a favourite with transport engineers and vehicle manufacturers throughout the world.

Don 7121 maintains its place in both OE and other markets by having performance characteristics that are consistently ahead of manufacturers design and operation criteria.

Don 7121 is ideally suited to high performance wedge brakes and duo-servo (self-energising) brake systems. 7121 provides exceptional frictional stability and drum compatibility performance.

# Features and benefits

Don 7172 is a fully moulded Asbestos free lining designed and produced for use on high factor commercial vehicle brakes.



#### **Friction Performance/Output**



The graph displays the potential change in braking efficiency due to temperature increase. The results are based on the industry recognised SAE J661 test, which provides a measurable frictional output with no mechanical influence.

CV drum brakes differ in construction (i.e S-Cam, duo-servo etc) and output from these varies due to actuation and geometrical design. Changing output with temperature is a design feature of a quality brake material and provides the driver with "feel" which will require modification to line pressure (as output reduces increased brake pedal force is required). This predetermined progressive reduction in frictional performance/output means the driver can safely anticipate stopping requirements.

#### **Technical Characteristics (Average Values)**

Ultimate Tensile Strength Ultimate Shear Strength **Rockwell Hardness** Density

#### 15MN/m2 25MN/m2 **HRL 80** 1.95 Units

#### **Recommended Peak Working Temperatures**

250°C

350°C

Continuous Intermittent

#### Sizes

DON 7121 is available in block and full length lining form. - up to 254mm (10 inch) wide

- up to 19mm (3/4 inch) thick

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www.donbrakes.com Don is a trademark of TMD Friction