

# **DERBY GASKETS LTD.**

[www.derbygaskets.com](http://www.derbygaskets.com)

## **MATERIAL SPECIFICATION**

### **ANTI VIBRATION**

#### **1) Product Description**

Low compressible medium density cork and rubber material for noise and vibration control, with excellent oil and fuel resistance.

#### **2) Applications:**

Vibration control in technical equipment rooms, vibration isolation for machinery i.e: Pumps, Presses, Looms & Motors, Runways, rail and subway isolation pads. Building acoustic suspension elements and systems for walls, Ceiling, Pipings etc.

#### **3) Physical Characteristics:**

- 3.1 Colour, Red with cork points
- 3.2 Cork granule size (mm) 0.5 to 1
- 3.3 Binder type. Nitrile rubber
- 3.4 Durometer shore A 65-75
- 3.5 Compression at 400 PSI (%) 25-35
- 3.6 Recovery (%) 80.
- 3.7 Tensile ( $\text{kg/cm}^2$ ) 23.5

#### **4. Test according to ASTM F104:**

- 4.1 Volume change after immersion (%)
- 4.2 ASTM Oil 1 70 hrs at 100 degrees c = -2 to +10
- 4.3 ASTM Oil 3 70 hrs at 100 degrees c = -2 to +15
- 4.4 ASTM Fuel at 22 hrs at R. temp = -2 to +10
- 4.5 Min to Max Working temp = -60 to + 350

#### **5. Temperature Range:**

- 5.1 -20 degrees c to + 120 degrees c
- 5.2 Thermal Conductivity 0.79 W/m oc

We reserve the right to alter the specification without notice.  
Values given may vary according to manufacturing tolerances.

It is the responsibility of the purchaser to ensure material is suitable for purpose and we will provide samples for test if required