

# Material ref AR501

## Nitrile Cork

Issue 1, Jan 2013.

Material Reference- 501  
Colour- Brown  
Type Cork/Neoprene/Nitrile Rubber

### **Specification conformance:**

BSAU RC80-B  
DEF 22 (Aircraft Industry)  
BS2F66 (Minimum granule mix 65% Nitrile as per British Standard)  
ASTM F 104 (F225000-M2S9)

### **Physical Characteristics:**

Hardness, Shore "A"	60 to 80
Specific Gravity	0.700-0.800
Density, Kgm/Mtr <sup>3</sup>	700-800
Density, lbs/foot <sup>3</sup>	43.8-50.0
Compressibility @ 44psi, (28g/cm <sup>2</sup> )%	25-40
Recovery (min) %	75
Tensile Strength (min) PSI	250
Tensile Strength, kgm/cm <sup>2</sup>	17.5
Thickness Tolerance (%)	Normal: +/-10

### **Flexibility:**

Original (F-5)	No Cracks
Oven aged 70hrs @ 100C (F=16)	No Cracks
ASTM no1 Oil 70hrs @ 100C (F=16)	No Cracks

### **Binder:**

Neoprene/Nitrile Rubber

### **Granule size:**

U.S Mesh 18/35

### **Volume Change after Immersion:**

ASTM no 1 Oil 70hrs @ 100C  
ASTM no 3 Oil 70hrs @ 100C  
ASTM Fuel A 22hrs @ R.T

### **Test Method:**

ASTM F 104-59

### **Other information**

Maximum sheet size: 10mtrs long x 1000mm,  
Conversion: Available converted to strips, washers etc with or without self adhesive backing  
Available thicknesses: 1.5mm

### **Product Description:**

Excellent general purpose gasketing material, its toughness and good compressibility characteristics make it highly satisfactory in a very wide range of applications. The material has a very low swelling in oils and fuels, which makes it suitable for transformer applications

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*As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline*

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