

# 70° - Nitrile BS2751 Rubber Sheeting Datasheet

Product Code: RC0307-70

## Product Description

Our nitrile BS2751 rubber sheeting provides exceptional durability as well as resistance for use in a variety of applications. A key feature of this particular grade is the products excellent oil, fuel and chemical resistance. This enables our sheeting to provide the highest level of safety in demanding applications.



### Available In -



Full Rolls

Cut to strip

Bespoke Gaskets

## Technical Specification

Properties	Test Method	Values
Product	-	BS2751 Grade Nitrile Rubber Sheeting
Compound	-	NBR
Hardness (Shore A)	BS903: Part A26	70° ± 5°
Density (Specific Gravity)	BS 903: Part A1	1.20 kg/m <sup>3</sup>
Tensile Strength	BS 903: Part A2	12.5 MPa
Elongation at Break	BS 903: Part A2	250%
Tear Resistance	BS 903: Part A3	50 Kg/cm
Compression Set (24hrs @ 70°C)	BS 903: Part A6	20%
Working Temperature Range	-	-20°C to +120°C
<b>Heat Ageing (168hrs @ 70°C)</b>		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
<b>Volume Swell (24hrs @ 40°C)</b>		
Fuel B	-	+ 25 (Max)

The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.



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Properties	Test Method	Values
Resistance to Low Temperature (The Stiffness Shall Not Exceed 70 MPa)	BS 903: Part A13	-20°C
Adhesion to and Corrosion of Metals (168hrs @ 70°C)	BS 903: Part A 37	Meets Requirements
<b>Chemical Resistance</b>		
Ozone Resistance	BS 903: Part A 43	Fair
Dilute Acids and Bases Resistance	BS 903: Part A16	Good
Contentrated Acid and Bases Resistance	-	Not Recommended
Mineral Oil / Petroleum Resistance	-	Excellent
Solvent Resistance	-	Fair
<b>Volume Swell (24hrs @ 70°C)</b>		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

## Standard Sizes

Properties	Weight (Kg/m <sup>2</sup> )
1mm x 1.4m x 10m	1.40
1.5mm x 1.4m x 10m	2.10
2mm x 1.4m x 10m	2.80
2.5mm x 1.4m x 10m	3.50
3mm x 1.4m x 10m	4.20
5mm x 1.4m x 10m	7.00
6mm x 1.4m x 10m	8.40
10mm x 1.4m x 10m	14.00

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