

40° - Nitrile BS2751 Rubber Sheeting Datasheet

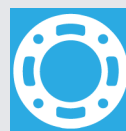
Product Code: RC0307-40

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	40° ± 5°
Density (Specific Gravity)	BS 903: Part A1	1.10 kg/m ³
Tensile Strength	BS 903: Part A2	7 MPa
Elongation at Break	BS 903: Part A2	600%
Tear Resistance	BS 903: Part A3	30 Kg/cm
Compression Set (24hrs @ 70°C)	BS 903: Part A6	30%
Working Temperature Range	-	-30°C to +120°C
Heat Ageing (168hrs @ 70°C)		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
Volume Swell (24hrs @ 40°C)		
Fuel B	-	+ 30 (Max)

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Properties	Test Method	Values
Resistance to Low Temperature (The Stiffness Shall Not Exceed 70 MPa)	BS 903: Part A13	-30 °C
Adhesion to and Corrosion of Metals (168hrs @ 70°C)	BS 903: Part A 37	Meets Requirements
Chemical Resistance		
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
Volume Swell (24hrs @ 70 °C)		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

Standard Sizes

Properties	Weight (Kg/m ²)
1mm x 1.4m x 10m	1.25
1.5mm x 1.4m x 10m	1.88
2mm x 1.4m x 10m	2.50
3mm x 1.4m x 10m	3.75
5mm x 1.4m x 10m	6.25
6mm x 1.4m x 10m	7.50

50° - Nitrile BS2751 Rubber Sheeting Datasheet

Product Code: RC0307-50

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	50° ± 5°
Density (Specific Gravity)	BS 903: Part A1	1.15 kg/m ³
Tensile Strength	BS 903: Part A2	7.5 MPa
Elongation at Break	BS 903: Part A2	450%
Tear Resistance	BS 903: Part A3	35 Kg/cm
Compression Set (24hrs @ 70°C)	BS 903: Part A6	25%
Working Temperature Range	-	-30°C to +120°C
Heat Ageing (168hrs @ 70°C)		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
Volume Swell (24hrs @ 40°C)		
Fuel B	-	+ 30 (Max)

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Properties	Test Method	Values
Resistance to Low Temperature (The Stiffness Shall Not Exceed 70 MPa)	BS 903: Part A13	-30 °C
Adhesion to and Corrosion of Metals (168hrs @ 70°C)	BS 903: Part A 37	Meets Requirements
Chemical Resistance		
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
Volume Swell (24hrs @ 70 °C)		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

Standard Sizes

Properties	Weight (Kg/m ²)
1mm x 1.4m x 10m	1.35
1.5mm x 1.4m x 10m	2.03
2mm x 1.4m x 10m	2.70
2.5mm x 1.4m x 10m	3.38
3mm x 1.4m x 10m	4.05
5mm x 1.4m x 10m	6.75
6mm x 1.4m x 10m	8.10
10mm x 1.4m x 10m	13.50

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60° - Nitrile BS2751 Rubber Sheeting Datasheet

Product Code: RC0307-60

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	60° ± 5°
Density (Specific Gravity)	BS 903: Part A1	1.20 kg/m ³
Tensile Strength	BS 903: Part A2	8.5 MPa
Elongation at Break	BS 903: Part A2	400%
Tear Resistance	BS 903: Part A3	45 Kg/cm
Compression Set (24hrs @ 70°C)	BS 903: Part A6	20%
Working Temperature Range	-	-25°C to +110°C
Heat Ageing (168hrs @ 70°C)		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
Volume Swell (24hrs @ 40°C)		
Fuel B	-	+ 25 (Max)

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Properties	Test Method	Values
Resistance to Low Temperature (The Stiffness Shall Not Exceed 70 MPa)	BS 903: Part A13	-25 °C
Adhesion to and Corrosion of Metals (168hrs @ 70°C)	BS 903: Part A 37	Meets Requirements
Chemical Resistance		
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
Volume Swell (24hrs @ 70 °C)		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

Standard Sizes

Properties	Weight (Kg/m ²)
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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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 ³
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
Heat Ageing (168hrs @ 70°C)		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
Volume Swell (24hrs @ 40°C)		
Fuel B	-	+ 25 (Max)

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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
Chemical Resistance		
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
Volume Swell (24hrs @ 70°C)		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

Standard Sizes

Properties	Weight (Kg/m ²)
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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80° - Nitrile BS2751 Rubber Sheeting Datasheet

Product Code: RC0307-80

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	80° ± 5°
Density (Specific Gravity)	BS 903: Part A1	1.25 kg/m ³
Tensile Strength	BS 903: Part A2	12.5 MPa
Elongation at Break	BS 903: Part A2	150%
Tear Resistance	BS 903: Part A3	55 Kg/cm
Compression Set (24hrs @ 70°C)	BS 903: Part A6	20%
Working Temperature Range	-	-10°C to +120°C
Heat Ageing (168hrs @ 70°C)		
Hardness Change	BS 903: Part A26	+10°
Tensile Strength Change	BS 903: Part A2	-10%
Elongation at Break Change	BS 903: Part A2	-35%
Volume Swell (24hrs @ 40°C)		
Fuel B	-	+ 25 (Max)

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Properties	Test Method	Values
Resistance to Low Temperature (The Stiffness Shall Not Exceed 70 MPa)	BS 903: Part A13	-15 °C
Adhesion to and Corrosion of Metals (168hrs @ 70°C)	BS 903: Part A 37	Meets Requirements
Chemical Resistance		
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
Volume Swell (24hrs @ 70 °C)		
IRM / ASTM Oil No.1	-	-3%
IRM / ASTM Oil No.1	-	-2%
IRM / ASTM Oil No.1	-	+10%

Standard Sizes

Properties	Weight (Kg/m ²)
1mm x 1.4m x 10m	1.50
1.5mm x 1.4m x 10m	2.25
2mm x 1.4m x 10m	3.00
3mm x 1.4m x 10m	4.50
5mm x 1.4m x 10m	7.50
6mm x 1.4m x 10m	9.00
8mm x 1.4m x 5m	12.00

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