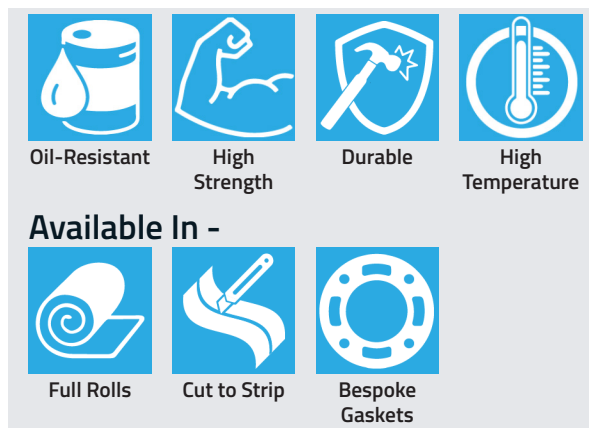


Nitrile BS 2751 Sheetting 50° Shore A Datasheet

Product Code: RC0307-50

Product Description

Our nitrile BS 2751 rubber sheetting provides exceptional durability, as well as resistance for use in a variety of applications. A key feature of this particular grade is the excellent oil, fuel and chemical resistance. This enables our sheetting to provide the highest level of safety in demanding applications.



Technical Specification

Property	Test Method	Value
Product	-	BS 2751 Grade Nitrile Rubber Sheetting
Compound	-	NBR
Density	BS 903: Part A1	1.15Mg/m ³ ±0.02
Hardness	BS 903: Part A26	50 IRHD +5/-4
Tensile Strength	BS 903: Part A2	7.5MPa
Elongation at Break	BS 903: Part A2	450%
Compression Set (70°C for 24 hours at 25% set)	BS 903: Part A6	25%
Tear Resistance (Angular)	BS 903: Part A3	35kg/cm
Resistance to Accelerated Ageing (168 hours at 70°C)	BS 903: Part A19	-
Hardness	BS 903: Part A26	+10 (max)
Tensile Strength	BS 903: Part A2	-10% (max)
Elongation at Break	BS 903: Part A2	-35% (max)

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Property	Test Method	Value
Volume Swell (at 40°C for 24 hours/in)	BS 903: Part A16	-
Fuel B	-	+30% (max)
Volume Swell (at 70°C for 72 hours/in)	-	-
IRM / ASTM Oil No. 1	-	-3%
IRM / ASTM Oil No. 2	-	-2%
IRM / ASTM Oil No. 3	-	+10%
Adhesion to and Corrosion of Metals (at 70°C for 168 hours)	BS 903: Part A37	Meets requirements
Chemical Resistance		
Ozone	BS 903: Part A43	Fair
Dilute Acids and Bases	BS 903: Part A16	Good
Concentrated Acids and Bases	-	Not recommended
Mineral Oil/Petroleum	-	Excellent
Solvents	-	Fair
Polymer Content (Nitrile)	-	100%
Working Temperature Range	-	-30°C to +120°C
Colour	-	Black



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