Data Sheet	0794 BS2751 BA70 (70SHore) Specification Nitrile (NBR) Rubber Sheet

Data Sheet Type	Final
Material Reference	0794
Polymer	NBR
Date Issued	02/06/26

Description

A 70° Shore Butadiene Acrylonitrile Rubber (NBR) or as better known Nitrile Specification Rubber Sheet conforming to BS2751:2001 and for use in industries and/or applications where surety over the compound is required. Designed originally for Aerospace & Defence Industries.

Specifications	Values	Test Methods
Accelerated Ageing - Change in Elongation at Break (168 Hours @ 70°C)	-35 % Change to Original	BS903 Part A19 Method A
Accelerated Ageing - Change in Tensile Strength (168 Hours @ 70&degC)	-10 % Change to Original	BS903 Part A19 Method A
Accelerated Ageing - Change in Hardness (168 Hours @ 70°C)	+10 ° Shore Change to Original	BS903 Part A19 Method A
Colour	Black	None
Compression Set(22 Hours @ 70°C)	20 % Maximum	ASTM D395 Method B
Elongation at Break	250 % Minimum	ASTM D412
Highest Recommended Working Temperature	110 °C Maximum	None
Liquid Resistance - Volume Change 24 Hrs @ 40°C	-0+25 %	BS ISO 1817
Lowest Recommended Working Temperature	-20 °C Minimum	None
Shore Hardness (Shore A)	70 ° Shore	ASTM D2240
Specific Gravity	1.25 g/cm 3	ASTM D2240
Tensile Strength	12.5 MPA Minimum	ASTM D412

Purposes

Chemical Resistant

Oil Resistance

Tear Resistant

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.