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Material Specification Sheet

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RHN 4F



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BS2751 BA50 Nitrile Rubber

General Information

Excellent resistance to petroleum-based fluids, oils, solvents and greases.

Average resistance to aromatic hydrocarbons.

Moderate mechanical properties.

NB: Care should be taken in selecting the most suitable quality for each individual application. Advice is available but the final responsibility remains with the customer.

Thicknesses Available (10mx1.4m)

1mm to 6mm

Thicknesses Available (5mx1.4m)

8mm to 25mm

Thicknesses Available (1mx1m)

32mm; 38mm; 40mm

Property	Measure	Unit	Test
Elastomer	Nitrile		
Colour	Black		
Quality	BS2751-BA50		
Hardness	50 $\pm$ 5	Shore Hardness A °	ISO 7619-1
S.G.	1.120	g/cm ³	ISO 2781
Tensile	9	N/mm ²	ISO 37
Elongation	450	%	ISO 37
Compression	25	%	ISO 37
Tear Strength	15	Kg/cm	ISO 34-1
Abrasion	175	mm ³	ISO 37
Operating Temperature	-30/+110	°C	
Roll Tolerances			
Width	$\pm$ 2%		ISO 3302 SW1
Length	$\pm$ 2%		
Thickness			
0.5mm-1mm	$\pm$ 0.2mm		
1.5mm-3mm	$\pm$ 0.3mm		
4mm-5mm	$\pm$ 0.4mm		
6mm	$\pm$ 0.5mm		
8mm	$\pm$ 0.7mm		
10mm-15mm	$\pm$ 1mm		
20mm	$\pm$ 1.4mm		
25mm	$\pm$ 1.75mm		

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

