

SPECIFICATION SHEET

**R-084 Black Nitrile**

<b>Properties</b>	<b>Test Method</b>	<b>Unit</b>	<b>Values Metric units</b>
Density	BS 903: Part A1	Mg/m <sup>3</sup>	1.25 +/- 0.05
Hardness	BS 903: Part A26	IRHD	80 (+5-4)
Tensile Strength (min)	BS 903: Part A2	Mpa	12.5
Elongation at break (min)	BT 903: Part A2	%	150
Compression set (70°/24 hrs/25% set) (Max)	BS 903:Part A6	%	20
Tear resistance (angular) min	BS 903: Part A3	Kg/cm	55
Resistance to accelerated aging – 168 hrs at 70°C	BS 903: Part A19	-	-
----Hardness (pts)	BS 903: Part A26		+10 (max)
----Tensile Strength	BS 903: Part A2	%	-10 (max)
----Elongation at break	BS 903: Part A2	%	-35 (max)
Volume swell : at 40°C for 24 hrs	BS 903: Part A16	-	-
Fuel B (Max)			+25%
Resistance to low temperature in °C at which the stiffness shall not exceed 70MPA	BS 903: Part A13	°C	-15
Adhesion to & corrosion of metals at 70°C / 168 hrs	BS 903: Part A37		Meets requirements
Polymer content (Nitrile)		%	100
<b>Additional information</b>			
Chemical Resistance			
---Ozone	BS 903: Part A43		Fair
---Dilute acids & bases	BS 903: Part A16		Good
---concentrated acids & bases			Not recommended
---mineral oil/petroleum			Excellent
---solvents			Fair
Temperature Range		°C	-10 up to 120

Properties	Test Method	Unit	Values Metric Units
Colour			Black
Swell volume: at 70°C for 72 hrs/in			
	IRM / ASTM – oi No.1		-3%
	IRM / ASTM – Oil No.2		-2%
	IRM / ASTM – Oil No.3		+10%

**QUALITY ASSURED PRODUCTS WITH FULL TRACEABILITY**

Care should be taken in selecting the most suitable quality for each application.

Advice is available but final responsibility remains with the customer.