



Groot-Bijgaardenstraat 124  
B-1620 Drogenbos

**Material : Nitrile Butadiene Rubber**  
(RESISTANT TO ANTI-EXPLOSIVE DECOMPRESSION)

**Suebel Code : NT 4B(AED)**

Revision date : 01/04/2015

Physical properties	nominal	actual	units
<b>Hardness</b> BS 903 A 26, 23 °C	70-75	72	Shore A-2
<b>Tensile strength</b> BS 903 A 2, 23 °C	> 102	172	Kg/Cm <sup>2</sup>
<b>Elongation at break</b> BS 903 A 2, 23 °C	> 250	380	%
<b>Compression set</b> BS 903 A 6, 100 °C, 22 h, 25 %	< 25	16.5	%
<b>Air Ageing</b> BS 903 A 19, 100 °C, 70 h			
<b>Hardness Change</b>	<(+15)	+1	Points
<b>Tensile Change</b>	<(-20)	-3.5	%
<b>Elongation Change</b>	<(-40)	-7.6	%
<b>Fluid Resistance, ASTM Oil-1</b> BS 903 A 16, 100 °C, 70 h			
<b>Hardness Change</b>	-5 to+15	+2	Points
<b>Tensile Change</b>	<(-25)	-4.3	%
<b>Elongation Change</b>	<(-45)	-9.5	%
<b>Volume Change</b>	-10 to +5	-2.3	%
<b>Fluid Resistance, ASTM Oil-3</b> BS 903 A 16, 100 °C, 70 h			
<b>Hardness Change</b>	<(-15)	-2	Points
<b>Tensile Change</b>	<(-45)	-6.5	%
<b>Elongation Change</b>	<(-45)	-13.4	%
<b>Volume Change</b>	-0 to +35	+3.15	%
<b>Specific Gravity</b> BS 903 A 1, 23 °C	---	1.210	Gm/cc
<b>Ash Content</b> 800°C, 2 Hrs	---	3.89	%
<b>Operating Temperature</b>	-30°C To +100°C		

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