

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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## Material : Nitrile Butadiene Rubber

### Spareage Code : NT 4B

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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	160	Kg/Cm <sup>2</sup>
<b>Elongation at break</b> BS 903 A 2, 23 °C	> 250	350	%
<b>Compression set</b> BS 903 A 6, 100 °C, 22 h, 25 %	< 25	21.5	%
<b>Air Ageing</b> BS 903 A 19, 100 °C, 70 h			
<b>Hardness Change</b>	<( +15)	+2	Points
<b>Tensile Change</b>	<( -20)	-9.3	%
<b>Elongation Change</b>	<( -40)	-14.2	%
<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)	-10.8	%
<b>Elongation Change</b>	<( -45)	-21.5	%
<b>Volume Change</b>	-10 to +5	-4.2	%
<b>Fluid Resistance, ASTM Oil-3</b> BS 903 A 16, 100 °C, 70 h			
<b>Hardness Change</b>	<( -15)	-3	Points
<b>Tensile Change</b>	<( -45)	-12.7	%
<b>Elongation Change</b>	<( -45)	-22.8	%
<b>Volume Change</b>	-0 to +35	+14	%
<b>Specific Gravity</b> BS 903 A 1, 23 °C	---	1.206	Gm/cc
<b>Ash Content</b> 800°C, 2 Hrs	---	7.45	%