

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

**Address:** Plot No. A-401/402, Road No. 28, Wagle Estate, Thane - 400 604, India.

**T:** +91-22-25800972 **F:** +91-22-25827480 **E:** sales@spareage.in **W:** www.spareage.in

## Material : Nitrile Butadiene Rubber

### Spareage Code : NT 36R/C

Revision date : 01/03/2009

Physical properties	nominal	actual	units
<b>Hardness</b> BS 903 A 26, 23 °C	75-80	77	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	> 125	250	%
<b>Compression set</b> BS 903 A 6, 100 °C, 22 h, 25 %	< 25	20	%
<b>Air Ageing</b> BS 903 A 19, 100 °C, 70 h			
<b>Hardness Change</b>	<( +15)	+2	Points
<b>Tensile Change</b>	<(-20)	-12.5	%
<b>Elongation Change</b>	<(-40)	-20	%
<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)	-14.5	%
<b>Elongation Change</b>	<(-45)	-21.5	%
<b>Volume Change</b>	-10 to +5	-5.1	%
<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)	-16.5	%
<b>Elongation Change</b>	<(-45)	-23.2	%
<b>Volume Change</b>	-0 to +35	+14.0	%
<b>Specific Gravity</b> BS 903 A 1, 23 °C	---	1.23	Gm/cc
<b>Ash Content</b> 800°C, 2 Hrs	---	7.45	%