



Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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

Spareage Code : NT 4B(AED)

Revision date : 01/04/2015

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