

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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

Spareage Code : NT 34A(HNBR)(AED)

Revision date : 01/04/2014

Physical properties	nominal	actual	units
Hardness BS ISO-48, 23 °C	70-75	72	Shore A
Tensile strength BS ISO-37, 23 °C	> 102	210	Kg/Cm ²
Elongation at break BS ISO-37, 23 °C	> 250	360	%
Compression set BS ISO-815, 150 °C, 22 h, 25 %	< 20	11.7	%
Air Ageing BS ISO-188, 150 °C, 70 h			
Hardness Change	<(±5)	+2	Points
Tensile Change	<(±20)	-6.5	%
Elongation Change	<(-50)	-12.7	%
Fluid Resistance, ASTM Oil-1 BS ISO-1817, 150 °C, 70 h			
Hardness Change	-5 to +10	+2	Points
Tensile Change	<(-20)	-8.4	%
Elongation Change	<(-40)	-15	%
Volume Change	-15 to +5	-2.8	%
Fluid Resistance, ASTM Oil-3 BS ISO-1817, 150 °C, 70 h			
Hardness Change	-5 to +10	-3	Points
Tensile Change	<(-15)	-10.6	%
Elongation Change	<(-40)	-16.4	%
Volume Change	-0 to +11	+4.15	%
Specific Gravity BS ISO-1183, 23 °C	---	1.179	Gm/cc
Ash Content 800°C, 2 Hrs	---	4.25	%