

Manufacturer of Seals for Hydraulic, Pneumatic and Rotary applications

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Material : Carboxylated Nitrile Butadiene Rubber

Spareage Code : NT 23B (X NBR)

Revision date : 01/03/2009

Physical properties	nominal	actual	units
Hardness			
BS 903 A 26, 23 °C	70-75	72	Shore A
Tensile strength			
BS 903 A 2, 23 °C	> 142.8	165	Kg/Cm ²
Elongation at break			
BS 903 A 2, 23 °C	> 250	370	%
Compression set			
BS 903 A 6, 100 °C, 22 h, 25 %	< 25	21.2	%
Air Ageing			
BS 903 A 19, 100 °C, 70 h			
Hardness Change	<(±10)	+2	Points
Tensile Change	<(-20)	-15	%
Elongation Change	<(-30)	-13.5	%
Fluid Resistance, Liquid-B			
BS 903 A 16, 23 °C, 70 h			
Hardness Change	0 to -20	-4	Points
Tensile Change	<(-50)	-18	%
Elongation Change	<(-50)	-18.9	%
Volume Change	0 to +20	4.8	%
Fluid Resistance, ASTM Oil-3			
BS 903 A 16, 100 °C, 70 h			
Hardness Change	-10 to +5	-3	Points
Tensile Change	<(-20)	-12.2	%
Elongation Change	<(-30)	-17.2	%
Volume Change	0 to +5	+3.8	%
Specific Gravity			
BS 903 A 1, 23 °C	---	1.22	Gm/cc
Ash Content			
800°C, 2 Hrs	---	7.4	%