

Material : Nitrile Butadiene Rubber

Compound : N921F1

Revision date : 01/04/2015

Physical properties	nominal	actual	units
Hardness BS 903 A 26, 23 °C	90-95	92	Shore A-2
Tensile strength BS 903 A 2, 23 °C	> 102	140	Kg/Cm ²
Elongation at break BS 903 A 2, 23 °C	> 100	200	%
Compression set BS 903 A 6, 100 °C, 22 h, 25 %	< 25	22	%
Air Ageing BS 903 A 19, 100 °C, 70 h			
Hardness Change	<(+15)	+3	Points
Tensile Change	<(-20)	-14.2	%
Elongation Change	<(-40)	-20	%
Fluid Resistance, ASTM Oil-1 BS 903 A 16, 100 °C, 70 h			
Hardness Change	-5 to +15	+2	Points
Tensile Change	<(-25)	-16.5	%
Elongation Change	<(-45)	-25.0	%
Volume Change	-10 to +5	-5.30	%
Fluid Resistance, ASTM Oil-3 BS 903 A 16, 100 °C, 70 h			
Hardness Change	<(-15)	-3	Points
Tensile Change	<(-45)	-21.4	%
Elongation Change	<(-45)	-27.0	%
Volume Change	-0 to +35	+18.0	%
Specific Gravity BS 903 A 1, 23 °C	---	1.30	Gm/cc
Ash Content 800°C, 2 Hrs	---	7.85	%