

Material : Nitrile Butadiene Rubber

Compound : N701F2

(Low Temperature)-50 to +125°C

Revision date : 01/04/2015

Physical properties	nominal	actual	units
Hardness BS ISO-48, 23 °C	65-75	72	IRHD(Shore -A)
Tensile strength BS ISO-37, 23 °C	> 102	155	Kg/Cm ²
Elongation at break BS ISO-37, 23 °C	> 250	400	%
Compression set BS ISO 815, 125 °C, 22 h	< 30	26	%
Air Ageing BS ISO-188, 125 °C, 70 h			
Hardness Change	<(+15)	+2	Points
Tensile Change	<(-25)	-17	%
Elongation Change	<(-50)	-25	%
Fluid Resistance, ASTM Oil-1 BS ISO-1817, 150 °C, 70 h			
Hardness Change	-10(Max)	+2	Points
Tensile Change	-20(Max)	-11.2	%
Elongation Change	-40(Max)	-26.0	%
Volume Change	-15 to +5	-4.7	%
Fluid Resistance, ASTM Oil-3 BS ISO-1817, 150 °C, 70 h			
Hardness Change	+10(Max)	+3	Points
Tensile Change	-35(Max)	-24.80	%
Elongation Change	-35(Max)	-27.00	%
Volume Change	+25(Max)	+14.0	%
Specific Gravity BS ISO-1183, 23 °C	---	1.203	Gm/cc
Ash Content 800°C, 2 Hrs	---	7.10	%
Low Temp Brittleness	Non Brittle at -50 °C	Non Brittle	