

Material : Carboxylated Nitrile Butadiene Rubber

Compound : N821F3

Revision date : 01/03/2009

Physical properties	nominal	actual	units
Hardness BS ISO-48, 23 °C	80-85	82	Shore A
Tensile strength BS ISO-37, 23 °C	> 142.8	165	Kg/Cm ²
Elongation at break BS ISO-37, 23 °C	> 125	250	%
Compression set BS ISO 815, 100 °C, 22 h, 25 %	< 25	20.5	%
Air Ageing BS ISO-188, 100 °C, 70 h			
Hardness Change	<(±10)	+2	Points
Tensile Change	<(-20)	-15	%
Elongation Change	<(-30)	-20	%
Fluid Resistance, Liquid-B BS ISO-1817, 23 °C, 70 h			
Hardness Change	0 to -20	-4	Points
Tensile Change	<(-50)	-27.2	%
Elongation Change	<(-50)	-28	%
Volume Change	0 to +25	5.1	%
Fluid Resistance, ASTM Oil-3 BS ISO-1817, 100 °C, 70 h			
Hardness Change	-10 to +5	-3	Points
Tensile Change	<(-20)	-13.2	%
Elongation Change	<(-30)	-14.7	%
Volume Change	0 to +5	+3.50	%
Specific Gravity BS ISO-1183, 23 °C	---	1.23	Gm/cc
Ash Content 800°C, 2 Hrs	---	7.5	%
Operating temp.	-45°C To +100°C		