

Material: Nitrile Butadiene Rubber Fabric Reinforced

Compound : N721F1

Revision date: 01/04/2017

Physical properties	nominal	actual	units
Hardness BS ISO 48, 23 °C	70-75	72	Shore A
Tensile strength BS ISO 37, 23 °C	102(min)	162	Kg/Cm ²
Elongation at break BS ISO 37, 23 °C	250(min)	350	%
Compression set BS ISO 815, 100 °C, 22 h, 25 %	25(max)	20.6	%
Air Ageing BS ISO 188, 100 °C, 70 h			
Hardness Change	(+15)(max)	+2	Points
Tensile Change	(-20)(max)	-5.1	%
Elongation Change	(-40)(max)	-13.5	%
Fluid Resistance, ASTM Oil-1 BS ISO 1817, 100 °C, 70 h			
Hardness Change	-5 to +15	+2	Points
Tensile Change	0 to -25	-7.4	%
Elongation Change	0 to -45	-18.5	%
Volume Change	-10 to +5	-3.2	%
Fluid Resistance, ASTM Oil-3 BS ISO 1817, 100 °C, 70 h			
Hardness Change	0 to-15	-2	Points
Tensile Change	0 to -45	-10.6	%
Elongation Change	0 to -45	-16.6	%
Volume Change	0 to +35	+8.1	%
Specific Gravity BS ISO 1183, 23 °C	---	1.21	Gm/cc
Ash Content 800°C, 2 Hrs	---	4.17	%
Working Temperature	---	-30°C To +100°C	