

Material : Hydrogenated Nitrile Butadiene Rubber

Compound : H721F1

Revision date : 01/04/2014

Physical properties	nominal	actual	units
Hardness BS ISO-48, 23 °C	70-75	72	Shore A
Tensile strength BS ISO-37, 23 °C	> 102	195	Kg/Cm ²
Elongation at break BS ISO-37, 23 °C	> 250	370	%
Compression set BS ISO-815, 150 °C, 22 h, 25 %	< 20	13.5	%
Air Ageing BS ISO-188, 150 °C, 70 h			
Hardness Change	<(+5)	+2	Points
Tensile Change	<(±20)	-9.5	%
Elongation Change	<(-50)	-18	%
Fluid Resistance, ASTM Oil-1 BS ISO-1817, 150 °C, 70 h			
Hardness Change	-5 to +10	-2	Points
Tensile Change	<(-20)	-11.2	%
Elongation Change	<(-40)	-20	%
Volume Change	-15 to +5	-4.4	%
Fluid Resistance, ASTM Oil-3 BS ISO-1817, 150 °C, 70 h			
Hardness Change	-5 to +10	-4	Points
Tensile Change	<(-15)	-11.5	%
Elongation Change	<(-40)	-25.4	%
Volume Change	-0 to +11	+9	%
Specific Gravity BS ISO-1183, 23 °C	---	1.221	Gm/cc
Ash Content 800°C, 2 Hrs	---	4.65	%
Operating temp.	-30°C To +150°C		