

## RUBBER TEST REPORT

**COLOR :** BLACK  
**MATERIAL :** BN7011  
**DATE:**

<b>Press cure</b>				<b>Post cure</b>			
<b>Sheet :</b>	170	°C	5	<b>Sheet :</b>	140	°C	1
<b>Button :</b>	170	°C	10	<b>Button :</b>	140	°C	1
			<b>min</b>				<b>Hr</b>

Spec.

### Original Properties

	Result
Hardness Shore A	73
Tensile strength (PSi)	2649
Elongation, %	295
Tear resistance kg-cm	43
Modulus at 100% (PSi)	728
Modulus at 200% (PSi)	1863
Specific Gravity	1.249

### Oven Air(ASTM D865 A27) 70h/100°C

	Result
Change in hardness, points	2
Change in tensile strength %	4
Change in ultimate elongation %	-18
Change in volume %	-2

### Compression set 22h/100°C

Result
9

### ASTM oil 1(ASTM D471 EO16) 70h/100°C

	Result
Change in hardness, points	6
Change in tensile strength %	15
Change in ultimate elongation %	-8
Change in volume %	-8

### ASTM IRM oil 903(ASTM D471 EO36) 70h/100°C

	Result
Change in hardness, points	-3
Change in tensile strength %	11
Change in ultimate elongation %	-5
Change in volume %	4

### ASTM Fuel A (EF) 70h/23°C

	Result
Change in hardness, points	-2
Change in tensile strength %	0
Change in ultimate elongation %	1
Change in volume %	3

### ASTM Fuel B (EF) 70h/23°C

	Result
Change in hardness, points	-16
Change in tensile strength %	-31
Change in ultimate elongation %	-26
Change in volume %	25

### ASTM Water Resistance (EA) 70h/100°C

	Result
Change in hardness, points	-4
Change in tensile strength %	4
Change in ultimate elongation %	-9
Change in volume %	5