

RUBBER TEST REPORT

COLOR :
MATERIAL :
DATE:

GREEN
 BN7021

Press cure

Sheet : 170 °C 5 min
Button : 170 °C 10 min

Post cure

Sheet : 140 °C 1 Hr
Button : 140 °C 1 Hr

Spec.

Original Properties

	Result
Hardness Shore A	72
Tensile strength (PSi)	1467
Elongation, %	444
Tear resistance kg-cm	35
Modulus at 100% (PSi)	518
Modulus at 200% (PSi)	857
Modulus at 300% (PSi)	1087
Specific Gravity	1.495

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
	10

ASTM oil 1(ASTM D471 EO16) 70h/100°C

	Result
Change in hardness, points	3
Change in tensile strength %	5
Change in ultimate elongation %	-8
Change in volume %	-6.4

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

	Result
Change in hardness, points	-8
Change in tensile strength %	-4
Change in ultimate elongation %	-6
Change in volume %	5.2

ASTM Fuel A (EF) 70h/23°C

	Result
Change in hardness, points	-5
Change in tensile strength %	-15
Change in ultimate elongation %	-7
Change in volume %	5.6

ASTM Fuel B (EF) 70h/23°C

	Result
Change in hardness, points	-18
Change in tensile strength %	-40
Change in ultimate elongation %	-39
Change in volume %	26.3

ASTM Water Resistance (EA) 70h/100°C

	Result
Change in hardness, points	0
Change in tensile strength %	9
Change in ultimate elongation %	-2
Change in volume %	4.5