

RUBBER TEST REPORT

COLOR :
MATERIAL :
DATE :

BLACK
 BN8011K

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	84
Tensile strength (MPa)	13.86
Elongation, %	186
Specific Gravity	1.543
Modulus at 100% (MPa)	10.17

Oven Air(ASTM D865 A27) 70h/100°C

	Result
Change in hardness, points	1
Change in tensile strength %	2
Change in ultimate elongation %	-22
Change in volume %	0

Compression set 70h/100°C

Result
27

ASTM oil 1(ASTM D471 EO16) 70h/100°C

	Result
Change in hardness, points	1
Change in tensile strength %	5
Change in ultimate elongation %	16
Change in volume %	-3

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

	Result
Change in hardness, points	-7
Change in tensile strength %	-1
Change in ultimate elongation %	-10
Change in volume %	9

ASTM Fuel A (EF) 70h/23°C

	Result
Change in hardness, points	-2
Change in tensile strength %	-10
Change in ultimate elongation %	-13
Change in volume %	3

ASTM Fuel B (EF) 70h/23°C

	Result
Change in hardness, points	-13
Change in tensile strength %	-31
Change in ultimate elongation %	-37
Change in volume %	9

ASTM Water Resistance (EA) 70h/100°C

	Result
Change in hardness, points	0
Change in tensile strength %	7
Change in ultimate elongation %	-17
Change in volume %	5