

RUBBER TEST REPORT

COLOR : GREEN
MATERIAL : BV9051
DATE :

Press cure

Sheet : 170 °C 10 min
Button : °C min

Post cure

Sheet : 235 °C 24 Hr
Button : °C Hr

Spec.

Original Properties

	Result
Hardness Shore A	87
Tensile strength (PSi)	1924
Elongation, %	149
Tear resistance kg-cm	29
Specific Gravity	2.029
Modulus at 100% (PSi)	1504

Oven Air(ASTM D865 A27) 70h/250°C

	Result
Change in hardness, points	4
Change in tensile strength %	10
Change in ultimate elongation %	-22
Change in volume %	-3

Oven Air(ASTM D865 A27) 70h/275°C

	Result
Change in hardness, points	6
Change in tensile strength %	-5
Change in ultimate elongation %	-41
Change in volume %	-6

Compression set 22h/175°C

Result
23

Compression set 22h/200°C

Result
30

ASTM oil # 101 EO 70h/200°C

	Result
Change in hardness, points	-4
Change in tensile strength %	-20
Change in ultimate elongation %	-13
Change in volume %	10

ASTM oil # 7700 EO 70h/200°C

	Result
Change in hardness, points	-7
Change in tensile strength %	-16
Change in ultimate elongation %	-7
Change in volume %	12

ASTM Fuel C (EF) 70h/23°C

	Result
Change in hardness, points	0
Change in tensile strength %	-4
Change in ultimate elongation %	1
Change in volume %	3