

RUBBER TEST REPORT

COLOR : RED
MATERIAL : OV7561
DATE:

Press cure

Sheet : 170 °C 10 min
Button : °C min

Spec.

Post cure

Sheet : 235 °C 24 Hr
Button : °C Hr

Original Properties

	Result
Hardness Shore A	80
Tensile strength (PSI)	2196
Elongation, %	217
Tear resistance kg-cm	29
Specific Gravity	2.204
Modulus at 100% (PSI)	1161
Modulus at 200% (PSI)	2109

Oven Air(ASTM D865 A27) 70h/250°C

	Result
Change in hardness, points	1
Change in tensile strength %	-7
Change in ultimate elongation %	5
Change in volume %	-2.4

Compression set (SLAB) 22h/175°C

Result
17

Compression set 22h/200°C

Result
26

ASTM oil # 101 EO 70h/200°C

	Result
Change in hardness, points	-8
Change in tensile strength %	-25
Change in ultimate elongation %	10
Change in volume %	10.9

ASTM oil # 7700 EO 70h/200°C

	Result
Change in hardness, points	-13
Change in tensile strength %	-27
Change in ultimate elongation %	1
Change in volume %	17.1

ASTM Fuel C (EF) 70h/23°C

	Result
Change in hardness, points	-4
Change in tensile strength %	-21
Change in ultimate elongation %	-10
Change in volume %	4.7