

RUBBER TEST REPORT

COLOR :
MATERIAL :
DATE:

BLUE
 BA7023

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)	1344
Elongation, %	471
Tear resistance kg-cm	37
Modulus at 100% (PSi)	528
Modulus at 200% (PSi)	876
Modulus at 300% (PSi)	1129
Specific Gravity	1.5

Oven Air(ASTM D865 A27) 70h/100°C

	Result
Change in hardness, points	2
Change in tensile strength %	4
Change in ultimate elongation %	-23
Change in volume %	-2

Compression set 22h/100°C

	Result
	15

ASTM oil 1(ASTM D471 EO16) 70h/100°C

	Result
Change in hardness, points	4
Change in tensile strength %	11
Change in ultimate elongation %	-21
Change in volume %	-6

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

	Result
Change in hardness, points	-6
Change in tensile strength %	6
Change in ultimate elongation %	-14
Change in volume %	7

ASTM Fuel A (EF) 70h/23°C

	Result
Change in hardness, points	-3
Change in tensile strength %	-7
Change in ultimate elongation %	-4
Change in volume %	4

ASTM Fuel B (EF) 70h/23°C

	Result
Change in hardness, points	-18
Change in tensile strength %	-35
Change in ultimate elongation %	-37
Change in volume %	29

ASTM Water Resistance (EA) 70h/100°C

	Result
Change in hardness, points	-5
Change in tensile strength %	-1
Change in ultimate elongation %	-17
Change in volume %	6