



INGESE

LABORATORY REPORT

MATERIAL : NEOPRENE
COMPOUND : C7000AA
SPEC. : ASTM D2000 M3BC707 A14 B14 EO14 EO34
COLOR : BLACK

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E-07-D
Date:Mar/17/2021

Original Physical Properties

	<u>Requirements</u>	<u>Results</u>
Hardness, (Shore A) (ASTM D2240-15 ^{e1})	70±5	70
Tensile Strength, psi(MPa) (ASTM D412-16)	1015(7)(min)	2484(17.13)
Elongation, (%) (ASTM D412-16)	250(min)	272
Modulus at 100%, psi(MPa) (ASTM D412-16)		750(5.17)
Density, (Mg/m ³) (CNS 5341-96, Method A)		1.38

A14 Heat age, 70 Hrs @ 100 °C (ASTM D573-04)

Hardness Change, pts.	+15(max)	+9
Tensile Strength Change, %	-15(max)	-4
Elongation Change, %	-40(max)	-13
Weight Change, %		-3.2

B14 Compression Set, 22 Hrs @ 100 °C (ASTM D395-18, Method B)

35%(button)(max)	17.5
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EO14 IRM 901 Oil, 70 Hrs @ 100 °C (ASTM D471-16a)

Hardness Change, pts.	±10	+4
Tensile Strength Change, %	-30(max)	-4
Elongation Change, %	-30(max)	-18
Volume Change, %	-10~+15	-2.8

EO34 IRM 903 Oil, 70 Hrs @ 100 °C (ASTM D471-16a)

Hardness Change, pts.		-17
Tensile Strength Change, %	-60(max)	-25
Elongation Change, %	-50(max)	-35
Volume Change, %	+100(max)	+42.8

APPROVAL Denn
(Lab Manager)

AUDIT Ru-Ling Liu
(Chemical Engineer)

REPORT Reachel
(Laboratory Specialist)