

PHYSICAL PROPERTY

*An Ordinary Company –
Doing Extraordinary Things!*

DATA SHEET

MATERIAL: Chloroprene (Neoprene ®) 70 Durometer

COMPOUND NUMBER: CR70

SPECIFICATIONS: ASTM D2000 M3BC710 A14 B14 EO14 EO34 F17

ORIGINAL PROPERTIES	SPEC	RESULTS
Hardness, Shore A, pts.....	70 ± 5	69
Tensile Strength, Mpa (psi).....	10 (1450) Min	15.79 (2290)
Ultimate Elongation, %.....	250 Min.....	290

A14 - HEAT RESISTANCE, TEST METHOD D573. 70 HRS. @ 100° C

Change in Hardness, pts.....	+15	+7
Change in Tensile Strength, %.....	-15 Max.....	-4
Change in Elongation, %	-40 Max.....	-14

B14 - COMPRESSION SET, TEST METHODS D395 METHOD B. 22 HRS @ 100° C

% of Original Deflection, Max %	35 Max	18
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E014 - FLUID RESISTANCE, TEST METHOD D471. ASTM OIL #1, 70 HRS. @100° C

Change in Hardness, pts.....	± 10	+1
Change in Tensile Strength, %.....	-30 Max.....	-10
Change in Ultimate Elongation, %	-30 Max.....	-11
Change in Volume, %	-10 to +15.....	-1.5

E034 - FLUID RESISTANCE, TEST METHOD D471. ASTM OIL #3, 70 HRS. @100° C

Change in Tensile Strength, %.....	-60 Max.....	-44
Change in Ultimate Elongation, %	-60 Max.....	-26
Change in Volume, %	+100	+52

F17 - LOW TEMPERATURE BRITTLENESS, 3 MINUTES @ -40° C

Brittleness.....	pass.....	pass
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The data shown here is intended as a guideline only. It is advisable to test under actual service conditions.