



EUROPE SEALS BV

Test Report

Material: EP80 Peroxide Cured Purple (EP807056B)

Specification: ASTM D2000 M2DA810 A26 B36 C32 F19

Original Properties:

	Required	Result
Hardness, Shore A, pts	80±5	80
Tensile Strength, psi	1450	1844
Elongation, min, %	150	170
Tear resistance Kg-cm		31
Modulus at 100%		1087
Specific Gravity		1.306

A26 Heat Aged: 70 h at 150C

Hardness Change, pts, Shore A	+10	+5
Tensile Strength Change, %	-20	+13
Elongation Change, %	-20	-14
Volume Change		-4

A Heat Aged: 70 h at 125C

Hardness Change, pts, Shore A		+3
Tensile Strength Change, %		+9
Elongation Change, %		-3
Volume Change		-2

B36 Compression Set, 22 h at 150C, ASTM D395, Method B 40 15

C32 Ozone Resistance, Test Method D 1171, Exposure, Method B PASS PASS

EA14 Water Resistance, 70 h at 100C, ASTM D471

Hardness Change, pts, Shore A		-1
Tensile Strength Change, %		-2
Elongation Change, %		+19
Volume Change, %	±5	+4

DOT#4 Fluid Resistance: 125C x 70hr

Hardness Change, pts, Shore A		0
Tensile Strength Change, %		+8
Elongation Change, %		+1

	Volume Change, %		-1
DOT#4	<u>Fluid Resistance: 150C X 70hr</u>		
	Hardness Change, pts, Shore A		-1
	Tensile Strength Change, %		+9
	Elongation Change, %		+4
	Volume Change, %		+0
F19	Low Temperature Resistance, ASTM D2137, Method A, 9.3.2, Nonbrittle after 3 min at -55C	Pass	Pass

* The above test result is based on the test slab/ test button. The actual parts will be different with this test result.

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