



APPLE RUBBER PRODUCTS INC.

310 Erie Street Phone: (716) 684-6560
Lancaster, NY 14086 Fax: (716) 684-8302
1-800-828-7745

Apple Rubber Products, Inc. Laboratory Report

Compound: 22VT7EE

Material: 75 VT ETP

Description: FEPM, 75 Shore A, Black

Test Samples: Test Slabs with Post Cure 16 hours @ 480°F

Temperature Range: -25°C to +200°C (-10°F to +400°F)

Recommend For: Petroleum fluids, acid, ketones, aldehydes, ozone

Not Recommend For: Acetic acid, organic acetates, fluorinated oils and refrigerants

Specification: ASTM D2000 M2HK710 A1-10 EO78 Z1 Z2

Z1 = Durometer 75 ± 5

Z2 = Viton ETP

Original Physical Properties

Requirement Test Results

Durometer (ASTM D2240), Shore A, Pts.

75 ± 5

78

Tensile (ASTM D412), MPa, min

10

15.9

Elongation (ASTM D412), %, min

175

240

Heat Resistance (ASTM D573) 70 hours @ 250°C

Hardness Change from Original Test Results, Pts., max

+10

+2

Tensile Change from Original Test Results, %, max

-25

-18

Elongation Change from Original Test Results, %, max

-25

+45

Compression Set (ASTM D395), 22 hours @ 175°C

Compression, %, max

+35

+35

Fluid Resistance (ASTM D471), 70 hours @ 150°C in IRM 903

Volume Swell, %, max

+10

+2



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Fluid Resistance (ASTM D471), 70 hours @ 200°C Service Fluid No. 101 (Anderol 774)

Hardness Change from Original Test Results, Pts.	-15 to +5	-3
Tensile Change from Original Test Results, %, max	-40	-7
Elongation Change from Original Test Results, %, max	-20	+23
Volume Swell, %	0 to +15	+4

Date: June 30th, 2014

Signature: *John A. Tranquill*