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## TECHNICAL REPORT

### PHYSICAL PROPERTIES OF 75 DUROMETER FLUOROCARBON BROWN COLOR (VITON trademark of DuPont)

#### ORIGINAL PROPERTIES:

Hardness Shore A Durometer	76 pts
Tensile Strength, Mpa (psi), min	1,705 psi
Ultimate Elongation, % min	200 %

#### HEAT RESISTANCE: (70HRS X 250C)

Hardness change, % max	+6 pts
Tensile strength change, % max	-15%
Ultimate elongation change, % max	-17 %

#### COMPRESSION SET: (22HRS X 175C)

% of original deflection, max	15 %
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#### FLUID AGING TEST: (70HRS X 23C)

Hardness change	<u>FUEL C</u> -4 pts
Tensile strength change	-21 %
Elongation change	-15 %
Volume change	4 %

#### FLUID AGING TEST: (70HRS X 200C)

Hardness change	<u>SERVICE LIQUID NO. 101</u> -10 pts
Tensile strength change	-15 %
Elongation change	-7 %
Volume change	14 %