



VITON® BROWN FDA V768-75



Corporate Headquarters
4015 Casilio Parkway
Clarence, New York 14031
Ph: 716-759-2222 • Fax 716-759-6425



Canadian Division
5511 Steeles Ave West • Unit 5
North York, Ontario M9L 1S7
Ph: 416-741-0750 • Fax: 416-741-0230

SPEC SEALS TECHNICAL REPORT V768-75 BROWN FDA VITON COMPOUND

General Characteristics

These compounds offer the best resistance to a combination of chemicals, weather, and compression set over a temperature range of -20F to +400F. The ingredients in SPEC SEALS' V768-75 are listed in the U.S. Code of Federal Regulations (21 CFR 177.2600) as being acceptable for repeated use in contact with food. This compound is **BROWN** in color.

<u>Original Properties</u>	<u>ASTM D2000 Specification</u>	<u>Laboratory Property</u>
Durometer, Shore A	75 +/- 5	76
Tensile, psi (MPa), Minimum	1450 (10)	1773 (12)
Elongation, % Minimum	150	160
Specific Gravity	-	2.02
A1-10 Heat Age		
<u>70hrs @ 250 C</u>		
Durometer Change, Points	+ 10	+ 2
Tensile Strength Change, % Maximum	-25	+4
Elongation Change, % Maximum	-25	+4
B38 Compression Set		
<u>22hrs @ 200 C</u>		
Original Deflection, % Maximum	15	13.9
<u>C12 Resistance to Ozone</u>		
ASTM D1171, Method B	No Cracks	Pass
<u>C20 Resistance to Outdoor Aging</u>		
ASTM D1171	No Cracks	Pass

**EF31 Fuel Age
70hrs @ 23 C
in Reference Fuel C**

**ASTM D2000
Specification**

**Laboratory
Property**

Durometer Change, Points	+/- 5	-1
Tensile Change, % Maximum	-25	-14
Elongation Change, % Maximum	-20	-12
Volume Change, %	0/+10	+3

**EO88 Fluid Resistance
70hrs @ 200 C
in Stauffer7700/SAE Fluid No. 2**

Durometer Change, Points	15/+5	-6
Tensile Change, % Maximum	-40	-21
Elongation Change, % Maximum	-20	-14
Volume Change, %	+25	+8

SPECIFICATIONS MET

ASTM D2000-99 Grade M6HK810 A1-10 B38 C12 C20 EF31 EO88