



**SPEC SEALS TECHNICAL REPORT
V768-75 BROWN FDA AND 3A SANITARY VITON COMPOUND**

GENERAL PROPERTIES

VITON is DuPont-Dow Elastomer's trade name for Fluorocarbon Elastomers. 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, and meets the 3A Sanitary requirements for use with Milk and Edible Oils. This Compound is **BROWN in color**

| | | SPEC SEALS V768-75 | |
|---------------------------|--|-----------------------------|------------------------|
| ASTM | | ASTM D2000 | LABORATORY |
| <u>Designation</u> | <u>ORIGINAL PROPERTIES</u> | <u>SPECIFICATION</u> | <u>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 | <u>HEAT AGE, 70 HRS @ 250 C</u> | | |
| | Durometer Change, Points | +10 | +2 |
| | Tensile Strength Change, % Maximum | -25 | +4 |
| | Elongation Change, % Maximum | -25 | -8 |
| B38 | <u>COMPRESSION SET, 22 HRS @ 200 C</u> | | |
| | Original Deflection, % Maximum | 15 | 13.9 |
| C12 | <u>RESISTANCE TO OZONE</u> | | |
| | ASTM D1171, Method B | No Cracks | Pass |
| C20 | <u>RESISTANCE TO OUTDOOR AGING</u> | | |
| | ASTM D1171 | No Cracks | Pass |
| EF31 | <u>FUEL AGE, 70 HRS @23C in Reference Fuel C</u> | | |
| | Durometer Change, Points | +/-5 | -1 |
| | Tensile Change, % Maximum | -25 | -14 |
| | Elongation Change, % Maximum | -20 | -12 |
| | Volume Change, % | 0/+10 | +3 |
| EO88 | <u>FLUID RESISTANCE, 70 HRS @200C in Stauffer 7700/SAE Fluid No. 2</u> | | |
| | Durometer Change, Points | -15/+5 | -6 |
| | Tensile Change, % Maximum | -40 | -21 |
| | Elongation Change, % Maximum | -20 | -14 |
| | Volume Change, % Maximum | +25 | +8 |

SPECIFICATIONS MET

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

Z1=Meets FDA 177.2600

Z2=Meets 3A Sanitary Class I requirements