GLOBAL O-RING and SEAL
ALL-AROUND BETTER

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O-Ring Compound BV75 Data Sheet

Material: Genuine Viton®
75 Durometer, Brown

General Information:
Viton® is a well-known high-performance rubber that has excellent resistance to high temperature, ozone, weather, oxygen, mineral oil, fuels, hydraulic fluids, aromatics and many organic solvents and chemicals.

Cure System: Bisphenol-cured

Temperature Range: -26°C (-15°F) to 232°C (450°F)

Attributes:
▪Color: Brown
▪75±5 Shore A durometer
▪Shelf-life: Unlimited

Performs Well In:

- Petroleum products
- Fuel or blend with methanol or ethanol
- Diesel or blend with biodiesel
- Mineral oil and grease
- Silicone oil and grease
- High vacuum
- Ozone, weather and very high temp. air
- Strong acid

Doesn't Perform Well In:

- Ketones
- Low molecular weight organic acids
- Superheat steam
- Low molecular weight esters and ethers
- Phosphate ester based hydraulic fluids

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TEST REPORT FOR O-RING COMPOUND BV75

MATERIAL: GENUINE VITON®
DUROMETER: 75
COLOR: BROWN
ASTM* D2000 M2HK710 A1-A10 B37 B38 EF31 EO78 Z1 Z2

SECTION OF SPEC.	PROPERTIES	REQUIREMENTS	RESULTS	ASTM TEST METHOD
	ORIGINAL PHYSICAL PROPERTIES			
	Hardness, Shore A	75±5	76	D2240-05
	Tensile Strength, psi (MPa)	1450 (min)	2320(16)	D412-06a
	Elongation, min, percent	175 (min)	184	D412-06a
	Modulus @ 100%, psi (Mpa)		1330(9.17)	D412-06a
	Specific Gravity (g/cm³)		2.049	
A1-10	**HEAT AGE**			D573-04
	70 hours at 250°C (482°F)			
	Hardness Change, points	+10(max)	+1	
	Tensile Strength Change, percent	-25(max)	-6	
	Elongation Change, percent	-25(max)	-11.0	
	Weight Change, percent		-2.3	
B37	**COMPRESSION SET**			D395-03B
	22 hours at 175°C (347°F), percent	50(plied)(max)	6.4	
B38	**COMPRESSION SET**			D395-03B
	22 hours at 200°C (392°F), percent	50(plied)(max)	13.5	
EF31	**FUEL C RESISTANCE**			D471-06
	70 hours at 23°C (73.4°F)			
	Hardness Change, points	±5	-2	
	Tensile Change, max, percent	-25(max)	-23	
	Elongation Change, max, percent	-20(max)	-10	
	Volume Change, percent	0 to +10	+2.7	
EO78	**NO. 101 OIL**			D471-06
	70 hours at 200°C (392°F)			
	Hardness Change, points	-15 to +5	-8	
	Tensile Change, max, percent	-40(max)	-34	
	Elongation Change, max, percent	-20(max)	-3	
	Volume Change, percent	0 to +15	13.3	

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