
Compound V75 Data Sheet

Material: Genuine Viton®
75 Durometer, Black

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: Black
- 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 COMPOUND V75

MATERIAL: GENUINE VITON®

DUROMETER: 75

COLOR: BLACK

ASTM D2000 M6HK710 A1-10 B38 EF31 EO88 Z1 Z2

SECTION OF SPEC.	PROPERTIES	REQUIREMENTS	RESULTS	ASTM TEST METHOD
Z1	ORIGINAL PHYSICAL PROPERTIES			
	Hardness, Shore A	75±5	77	D2240-15
	Tensile Strength, min, Mpa	1450(10)(min)	2472(17.05)	D412-15A
	Elongation, min, percent	175(min)	187	D412-15A
	Modulus at 100%, psi (Mpa)		1163(8.02)	D412-15A
	Specific Gravity (g/cm³)		1.85	
A1-10	HEAT AGE			D573-04
	70 hours at 250°C			
	Hardness Change, points	+10(max)	+2	
	Tensile Strength Change, percent	-25(max)	-2	
	Elongation Change, percent	-25(max)	-14	
	Weight Change, percent		-1.8	
B38	COMPRESSION SET, METHOD B			D395-16
	22 hours at 200°C	15%(plied)(max)	9.6	
Z2	COMPRESSION SET, METHOD B			D395-16
	70 hours at 200°C	%(plied)	16.3	
EF31	ASTM FUEL C RESISTANCE			D471-16A
	70 hours at 23°C			
	Hardness Change, points	±5	-2	
	Tensile Change, max, percent	-25(max)	-12	
	Elongation Change, max, percent	-20(max)	-6	
	Volume Change, percent	0~+10	+2.2	
EO88	HATCO 7700 OIL			D471-16A
	70 hours at 200°C			
	Hardness Change, points	-15~+5	-9	
	Tensile Change, max, percent	-40(max)	-21	
	Elongation Change, max, percent	-20(max)	-10	
	Volume Change, percent	+25(max)	+15.1	

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