

The O-Ring Store LLC

 We make getting o-rings easy!

Viton® FKM Fluorocarbon 90 Durometer Compound

Features:

- Excellent compression set.
- Excellent resistance to fuels, petroleum oils, chemicals, solvents.
- Excellent resistance to weathering, aging and ozone.
- High thermal stability

Limitations:

- Poor low temperature brittleness.
- Poor steam resistance.
- Amines
- polar solvents, low molecular organic solvents
- Glycol based brake fluids

Operating Temperature:

-15°F to 400°F (-26°C to 204°C)

Cure System:

Bisphenol

ASTM Callout:

M3HK910 A1-10 B38 EF31 EO78 Z=DUPONT VITON

		<u>V90 Compound</u>	
<u>ASTM</u>	<u>TEST</u>	<u>ASTM</u>	<u>LABORATORY</u>
<u>DESIGNATION</u>	<u>METHOD</u>	<u>SPECIFICATION</u>	<u>PROPERTY</u>
<u>ORIGINAL PROPERTIES</u>			
		Durometer, Shore A	90 ± 5 89
		Tensile, Min PSI	1450 2014
		Elongation, % Min	100 132
A1-10	D573	<u>HEAT RESISTANCE, 70 HRS @ 250°C</u>	
		Durometer Change, Points	+ 10 + 2
		Tensile Strength Change, %	- 25 - 8
		Elongation Change, %	- 25 - 15
B38	D395	<u>COMPRESSION SET, METHOD B 22 HRS @ 100 C</u>	
		% of Original Deflection, Max	50 19
EF31	D471	<u>FLUID RESISTANCE, REFERENCE FUEL C 70 HRS @ 20°C</u>	
		Durometer Change, Points	± 5 - 4
		Tensile Change, %	- 25 - 15
		Elongation Change, %	- 20 - 10
		Volume Change, %	0 to + 10 - 3
EO78	D471	<u>FLUID RESISTANCE, ASTM NO. 101 OIL 70 HRS @ 200°C</u>	
		Durometer Change, Points	- 15 TO + 5 - 8
		Tensile Change, %	- 40 - 17
		Elongation Change, %	- 20 - 6
		Volume Change, %	0 to + 15 + 11

Information within is believed to be accurate and reliable. However, The O-Ring Store, LLC makes no warranty, expressed or implied, that parts supplied in this material will perform satisfactorily in specific applications. It's the customer's responsibility to evaluate prior to use.