



**MR O-RING**  
THE EASIEST WAY TO  
BUY O-RINGS ONLINE

## Material Datasheet

**Compound #: V75**

**Genuine Viton®, General Purpose**

### Material Summary

Material Type:	FKM
Durometer:	75
Color:	Black
Special Properties:	
Recommended Temperature Range (Static):	-26°C to 232°C
Cure System:	Bisphenol
Specification:	ASTM D2000 M4HK715 A1-11 B38 C12 C20 EF31 EO78 Z1

<b>(Z1) Original Properties</b>	<b>Requirements</b>	<b>Typical Results</b>
Hardness, (Shore A) (ASTM D2240-15)	75±5	78
Tensile Strength, psi(MPa) (ASTM D412-16)	1500(10.34)(min)	2189(15.09)
Elongation, (%) (ASTM D412-16)	175(min)	184
Modulus at 100%, psi(MPa) (ASTM D412-16)		1110(7.65)
Density, (Mg/m <sup>3</sup> ) (CNS 5341-96, Method A)		1.84
<b>(A1-11) Heat age, 70 Hrs @ 275 °C (ASTM D573-04)</b>		
Hardness Change, pts.	±10(max)	+5
Tensile Strength Change, %	-40(max)	-22
Elongation Change, %	-20(max)	+21
Weight Change, %		-5.3
<b>(B38) Compression set, 22 Hrs @ 200 °C (ASTM D395-18,Method B)</b>		
-	50%(plied)(max)	12.6
<b>(C12) Ozone Resistance, 50 pphm, 70 Hrs @ 40°C (ASTM D1171-18)</b>		
-	no-crack	pass
<b>(C20) Outdoor Aging Resistance (ASTM D1171-18)</b>		
-	no-crack	pass
<b>(EF31) ASTM Fuel C Resistance, 70 Hrs @ 23 °C (ASTM D471-16a)</b>		
Hardness Change, pts.	±5	-1
Tensile Strength Change, %	-25(max)	-7
Elongation Change, %	-20(max)	-3
Volume Change, %	0 to +10	+3.5



## Material Datasheet

**Compound #: V75**

**Genuine Viton<sup>®</sup>, General Purpose**

**(EO78) ASTM No. 101 Oil, 70 Hrs @ 200 °C (ASTM D471-16a)**

Hardness Change, pts.	-15 to +5	-6
Tensile Strength Change, %	-40(max)	-9
Elongation Change, %	-20(max)	+2
Volume Change, %	0 to +15	+9.2

\*American Society for Testing and Materials

Report Date: 3/5/2020

Information within this report is believed to be accurate and reliable. However, Mr. O-Ring 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.