
Compound V75201 Data Sheet

Material: Fluorocarbon Rubber (FKM)
75 Durometer, Brown

General Information:

FKM is a 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*

Standard FKM compounds are Bisphenol cured. FKM compounds with peroxide-cured possess better acid solution resistance than the bisphenol cured, and can replace litharge-cured applied in acid solution. In Some lubricants adding a few organic amide or amine, choosing peroxide curing system Viton® will be better than bisphenol curing system.

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

Attributes:

Color: Brown

Durometer Shore A: 75±5

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

[Request A Quote](#)

V
7
5
2
0
1

		TEST REPORT FOR COMPOUND V75201 MATERIAL: FLUOROCARBON RUBBER DUROMETER: 75 COLOR: BROWN ASTM* D2000 M2HK710 A1-10 B37 EF31 EO78 Z1		
SECTION OF SPEC.	PROPERTIES	REQUIREMENTS	TYPICAL RESULTS	ASTM TEST METHOD
Z1	ORIGINAL PHYSICAL PROPERTIES			-
	Hardness, Shore A, pts	75±5	74	D2240-15
	Tensile Strength, psi, min	1450(10)	2205(15.21)	D412-16
	Elongation, min, %	175	195	D412-16
	Modulus @ 100%, psi		1181(8.14)	D412-16
	Density, Mg/m ³		2.04	CNS 5341-96A
A1-10	HEAT AGE			D573-04
	70 hours at 250°C			
	Hardness Change, pts, Shore A	+10(max)	+1	
	Tensile Strength Change, %	-25(max)	+4	
	Elongation Change, %	-25(max)	-18	
B37	COMPRESSION SET			D395-18B
	22 hours at 175°C, %	50%(plied)(max)	10	
EF31	ASTM FUEL C RESISTANCE			D471-16a
	70 hours at 23°C			
	Hardness, Shore A	±5	-3	
	Tensile Strength Change, %	-25(max)	-14	
	Elongation Change, %	-20(max)	-1	
EO78	ASTM NO. 101 OIL			D471-16a
	70 hours at 200°C			
	Hardness, Shore A	-15 to +5	-5	
	Tensile Strength Change, %	-40(max)	-13	
	Elongation Change, %	-20(max)	-8	
	Volume Change, %	0 to +15	+10	

*American Society for Testing and Materials

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

Date: 12/13/2019