

Material Test Report

Compound V75-B201

FKM, Brown, General Purpose

Material Summary		
Material Type:	FLUOROCARBON RUBBER	
Durometer:	75	
Color:	Brown	
Special Properties:		
Recommended Temperature Range (Static):	-25°C (-13°F) to 250°C (482°F)	
Cure System:	Bisphenol	
Meets Specification:	ASTM D2000 M7HK710 A1-10 B38 EF31 EO78	
Original Properties	Requirements	Typical Results
Hardness, Shore A, pts, ASTM D2240-15	75±5	75
Tensile Strength, psi, min, ASTM D412-16	1450 (min)	2250
Elongation, min, %, ASTM D412-16	175 (min)	205
Modulus @ 100%, psi, ASTM D412-16		1321
Density, Mg/m ³ , CNS 5341-96, Method A		2.05
HEAT AGE, A1-A10 (70 hrs. @ 250°C)	Requirements	Typical Results
Hardness Change, pts, Shore A, ASTM D573-04	+10(max)	0
Tensile Strength Change, %, ASTM D573-04	-25(max)	+13
Elongation Change, %, ASTM D573-04	-25(max)	-23
Weight Change, %		-2.3
COMPRESSION SET, B38 (22 hrs. @ 200°C)	Requirements	Typical Results
ASTM D395-18, Method B	20%(plied)(max)	12.0
FUEL C RESISTANCE, EF31 (70 hrs. @ 23°C)	Requirements	Typical Results
Hardness Change, pts, Shore A, ASTM D471-16a	±5	-3
Tensile Strength Change, %, ASTM D471-16a	-25(max)	-11
Elongation Change, %, ASTM D471-16a	-20(max)	0
Volume Change, %, ASTM D471-16a	0~+10	+3.2
NO. 101 OIL, EO78 (70 hrs. @ 200°C)	Requirements	Typical Results
Hardness Change, pts, Shore A, ASTM D471-16a	-15~+5	-6
Tensile Strength Change, %, ASTM D471-16a	-40(max)	-15
Elongation Change, %, ASTM D471-16a	-20(max)	-11
Volume Change, %, ASTM D471-16a	0~+15	+11.3

Compound Previously Known As: V75201

Report Date: 7/20/2022

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.