

Material Datasheet

Compound V75-B201

FKM, Brown, General Purpose

Material Summary

Material Type:	FLUOROCARBON RUBBER	
Durometer:	75	
Color:	Brown	
Special Properties:	General Purpose	
Recommended Temperature Range (Static):	-25°C (-13°F) to 250°C (482°F)	
Cure System:	Bisphenol	
Meets Specification:	ASTM D2000 M2HK710 A1-10 B38 EF31 EO78 Z1	
Original Properties (Z1)	Requirements	Typical Results
Hardness, (shore A) (ASTM D2240-15, Type A)	75 ± 5	74
Tensile Strength, MPa (psi) (ASTM D412-16, Method A)	10 (1450)(min)	14.16 (2053)
Elongation, (%) (ASTM D412-16, Method A)	175(min)	190
Modulus at 100 %, MPa (psi) (ASTM D412-16, Method A)		8.37 (1214)
Density, (Mg/m ³) (CNS 5341-96, Method A)		2.04
HEAT AGE, A1-A10 (70 hrs. @ 250°C)	Requirements	Typical Results
Hardness Change, pts, Shore A, ASTM D573-04	+10 (max)	+1
Tensile Strength Change, %, ASTM D573-04	-25 (max)	+10
Elongation Change, %, ASTM D573-04	-25 (max)	-18
Weight Change, %		-1.8
COMPRESSION SET, B38 (22 hrs. @ 200°C)	Requirements	Typical Results
ASTM D395-18, Method B	50 %(plied)(max)	10.2
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)	-20
Elongation Change, %, ASTM D471-16a	-20 (max)	-16
Volume Change, %, ASTM D471-16a	0 to +10	+3.8
NO. 101 OIL, EO78 (70 hrs. @ 200°C)	Requirements	Typical Results
Hardness Change, pts, Shore A, ASTM D471-16a	-15 to +5	-5
Tensile Strength Change, %, ASTM D471-16a	-40 (max)	-19
Elongation Change, %, ASTM D471-16a	-20 (max)	-16
Volume Change, %, ASTM D471-16a	0 to +15	+10.3

Compound Previously Known As: V75201

Report Date: 6/23/2025

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