


CS: 0.275" ±0.006" (6.99 mm ±0.15 mm)
ID: 5.225" ±0.037" (132.72 mm ±0.94 mm)

 GLOBAL O-RING and SEAL ALL-AROUND BETTER	PART NUMBER V90431
14450 John F. Kennedy Blvd. Houston, TX 77032 www.globaloring.com	Viton 90 Duro AS568 Size 431 O-Ring
Information in this drawing is provided for reference only	

Compound	V90-B101	Genuine Viton®, General Purpose
	Temperature Range (Static):	-25°C to 250°C
	Cure System:	Bisphenol
	Specification:	M3HK914 A1-10 B37 B38 EF31 EO78

Compound Previously Known As: V90101

		Required Results	Typical Results
Properties	Hardness, Shore A, pts	90±5	89
	Tensile Strength, psi, min	2031(min)	2368
	Elongation, min, %	100(min)	135
	Modulus @ 100%, psi		1828
	Density, Mg/m3		1.84
A1-A10	Hardness Change, pts, Shore A	+10(max)	+3
	Tensile Strength Change, %	-25(max)	-8
	Elongation Change, %	-25(max)	-13
	Weight Change, % -2.5		-2.5
B37	ASTM D395-18, Method B	30%(plied)(max)	14.5
B38	ASTM D395-18, Method B	50%(plied)(max)	16.9
EF31	Hardness Change, pts, Shore A	±5	-3
	Tensile Strength Change, %	-25(max)	-12
	Elongation Change, %	-20(max)	-8
	Volume Change, %	0~+10	+2.8
EO78	Hardness Change, pts, Shore A	-15~+5	-8
	Tensile Strength Change, %	-40(max)	-11
	Elongation Change, %	-20(max)	+2
	Volume Change, %	0~+15	+7.6