


CS: 0.103" ±0.003" (2.62 mm ±0.08 mm)
ID: 2.362" ±0.020" (59.99 mm ±0.51 mm)

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|---|-------------------------------------|
|  GLOBAL O-RING and SEAL ALL-AROUND BETTER | PART NUMBER V90142 |
| 14450 John F. Kennedy Blvd. Houston, TX 77032 www.globaloring.com | Viton 90 Duro AS568 Size 142 O-Ring |
| Information in this drawing is provided for reference only | |

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|-----------------|-----------------------------|---------------------------------|
| 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 |