


CS: 1.80 mm \pm 0.08 mm (0.071" \pm 0.003")
ID: 31.50 mm \pm 0.31 mm (1.240" \pm 0.012")

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|---|--|
|  GLOBAL O-RING and SEAL ALL-AROUND BETTER | PART NUMBER H1.80X031.5 |
| 14450 John F. Kennedy Blvd. Houston, TX 77032 www.globaloring.com | Nitrile 90 Duro Metric O-Ring 1.80 mm CS X 31.50 mm ID |
| Information in this drawing is provided for reference only | |

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|-----------------|-----------------------------|--|
| Compound | N90-A101 | Nitrile (Buna), General Purpose |
| | Temperature Range (Static): | -25°C to 121°C |
| | Cure System: | Sulfur |
| | Specification | M7BG910 A14 B14 EA14 EF11 EF21 EO14 EO34 Z |

Compound Previously Known As: N90101

| | | Required Results | Typical Results |
|-------------------|-------------------------------|------------------|-----------------|
| Properties | Hardness, Shore A, pts | 90±5 | 87 |
| | Tensile Strength, psi, min | 1450(min) | 2290 |
| | Elongation, min, % | 100(min) | 133 |
| | Modulus @ 100%, psi | | 1892 |
| | Density, Mg/m3 | | 1.37 |
| A14 | Hardness Change, pts, Shore A | ±15 | +4 |
| | Tensile Strength Change, % | ±30 | +5 |
| | Elongation Change, % | -50(max) | -19 |
| | Weight Change, % -0.5 | | -0.5 |
| B14 | ASTM D395-18, Method B | 25%(button)(max) | 15.0 |
| EA14 | Hardness Change, pts, Shore A | ±10 | -4 |
| | Tensile Strength Change, % | | +4 |
| | Elongation Change, % | | -11 |
| | Volume Change, % | ±15 | +3 |
| EF11 | Hardness Change, pts, Shore A | ±10 | -5 |
| | Tensile Strength Change, % | -25(max) | -3 |
| | Elongation Change, % | -25(max) | +2 |
| | Volume Change, % | -5~+10 | +4 |
| EF21 | Hardness Change, pts, Shore A | -30~0 | -14 |
| | Tensile Strength Change, % | -60(max) | -21 |
| | Elongation Change, % | -60(max) | -17 |
| | Volume Change, % | 0~+40 | +21 |
| EO14 | Hardness Change, pts, Shore A | -5~+5 | +1 |
| | Tensile Strength Change, % | -25(max) | -3 |
| | Elongation Change, % | -45(max) | -18 |
| | Volume Change, % | -10~+5 | -4 |
| EO34 | Hardness Change, pts, Shore A | -10~+5 | -3 |
| | Tensile Strength Change, % | -45(max) | +3 |
| | Elongation Change, % | -45(max) | -12 |
| | Volume Change, % | 0~+25 | +8 |
| TR-10 | 51 mm die, 50% elongation, °C | | -20 |