


CS: 5.00 mm ± 0.13 mm (0.197" ± 0.005 "")
ID: 12.00 mm ± 0.19 mm (0.472" ± 0.007 "")

| | |
|---|---|
|  GLOBAL O-RING and SEAL ALL-AROUND BETTER | PART NUMBER S5.00X012 |
| 14450 John F. Kennedy Blvd. Houston, TX 77032 www.globaloring.com | Silicone FDA Compliant 70 Duro Metric O-Ring 5.00 mm CS X 12.00 mm ID |
| Information in this drawing is provided for reference only | |

| | | |
|-----------------|-----------------------------|--|
| Compound | S70-A601 | Silicone, Red, FDA Compliant |
| | Special Properties: | FDA Compliant |
| | Temperature Range (Static): | -55°C to 200°C |
| | Specification: | M7GE705 A19 B37 EA14 EO16 EO36 F19 G11 |

Compound Previously Known As: S70610

| | | Required Results | Typical Results |
|-------------------|-------------------------------|-------------------|-----------------|
| Properties | Hardness, (Shore A) | 70±5 | 69 |
| | Tensile Strength, psi(MPa) | 725(5.00) | 943(6.50) |
| | Elongation, (%) | 150(min) | 221 |
| | Modulus at 100%, psi(MPa) | | 630 |
| | Density, (Mg/m ³) | | 1.32 |
| A19 | Hardness Change, pts. | ±10 | +2 |
| | Tensile Strength Change, % | -25(max) | -8 |
| | Elongation Change, % | -30(max) | -28 |
| | Weight Change, % | | -2.3 |
| B37 | - | 30%(button)(max) | 20 |
| EA14 | Hardness Change, pts. | ±5 | -1 |
| | Tensile Strength Change, % | | -3 |
| | Elongation Change, % | | -14 |
| | Volume Change, % | ±5 | +1.7 |
| EO16 | Hardness Change, pts. | -15~0 | -6 |
| | Tensile Strength Change, % | -20(max) | -3 |
| | Elongation Change, % | -20(max) | -6 |
| | Volume Change, % | 0~+15 | +4.3 |
| EO36 | Hardness Change, pts. | -40(max) | -20 |
| | Tensile Strength Change, % | | -21 |
| | Elongation Change, % | | -14 |
| | Volume Change, % | +60(max) | +33.6 |
| F19 | Sample type: T-50, | | |
| | Coolant : Isopropyl alcohol | | |
| | Low Temperature Property | no crack | pass |
| G11 | | 9kN/m(Die B)(min) | 11.68 |