


CS: 0.275"  $\pm 0.006$ " (6.99 mm  $\pm 0.15$  mm)  
ID: 13.475"  $\pm 0.070$ " (342.27 mm  $\pm 1.78$  mm)

|   |   |
|---|---|
|  <b>GLOBAL O-RING</b><br>and SEAL<br>ALL-AROUND BETTER | PART NUMBER<br><b>S70456</b>                            |
| 14450 John F. Kennedy Blvd.<br>Houston, TX 77032<br><a href="http://www.globaloring.com">www.globaloring.com</a>                            | Silicone FDA Compliant 70 Duro AS568 Size 456<br>O-Ring |
| Information in this drawing is provided for reference only  |   |

|                 |                             |  |
|-----------------|-----------------------------|--|
| <b>Compound</b> | 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 |
|-------------------|-------------------------------|-------------------|-----------------|
| <b>Properties</b> | 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 <sup>3</sup> ) |                   | 1.32            |
| <b>A19</b>        | Hardness Change, pts.         | ±10               | +2              |
|                   | Tensile Strength Change, %    | -25(max)          | -8              |
|                   | Elongation Change, %          | -30(max)          | -28             |
|                   | Weight Change, %              |                   | -2.3            |
| <b>B37</b>        | -                             | 30%(button)(max)  | 20              |
| <b>EA14</b>       | Hardness Change, pts.         | ±5                | -1              |
|                   | Tensile Strength Change, %    |                   | -3              |
|                   | Elongation Change, %          |                   | -14             |
|                   | Volume Change, %              | ±5                | +1.7            |
| <b>EO16</b>       | Hardness Change, pts.         | -15~0             | -6              |
|                   | Tensile Strength Change, %    | -20(max)          | -3              |
|                   | Elongation Change, %          | -20(max)          | -6              |
|                   | Volume Change, %              | 0~+15             | +4.3            |
| <b>EO36</b>       | Hardness Change, pts.         | -40(max)          | -20             |
|                   | Tensile Strength Change, %    |                   | -21             |
|                   | Elongation Change, %          |                   | -14             |
|                   | Volume Change, %              | +60(max)          | +33.6           |
| <b>F19</b>        | Sample type: T-50,            |                   |                 |
|                   | Coolant : Isopropyl alcohol   |                   |                 |
|                   | Low Temperature Property      | no crack          | pass            |
| <b>G11</b>        |                               | 9kN/m(Die B)(min) | 11.68           |