


CS: 0.275" ±0.006" (6.99 mm ±0.15 mm)  
ID: 7.225" ±0.045" (183.52 mm ±1.14 mm)

|   |                                    |
|---|------------------------------------|
|  <b>GLOBAL O-RING</b><br>and SEAL<br>ALL-AROUND BETTER | PART<br>NUMBER<br><b>E70442</b>    |
| 14450 John F. Kennedy Blvd.<br>Houston, TX 77032<br><a href="http://www.globaloring.com">www.globaloring.com</a>                            | EPDM 70 Duro AS568 Size 442 O-Ring |
| Information in this drawing is provided for reference only  |                                    |

|                 |                             |                              |
|-----------------|-----------------------------|------------------------------|
| <b>Compound</b> | E70-C101 (Ref: E70101)      | EPDM, Black, General Purpose |
|                 | Temperature Range (Static): | -55°C to 125°C               |
|                 | Specification:              | M2DA710 A26 B36 EA14 F18 G11 |

|                   |                               | Required Results | Typical Results |
|-------------------|-------------------------------|------------------|-----------------|
| <b>Properties</b> | Hardness, (Shore A)           | 70±5             | 69              |
|                   | Tensile Strength, psi(MPa)    | 1450(10)(min)    | 1978(13.64)     |
|                   | Elongation, (%)               | 200(min)         | 255             |
|                   | Modulus at 100%, psi(MPa)     |                  | 782(5.39)       |
|                   | Density, (Mg/m <sup>3</sup> ) |                  | 1.27            |
| <b>A26</b>        | Hardness Change, pts.         | +10(max)         | +4              |
|                   | Tensile Strength Change, %    | -20(max)         | -11             |
|                   | Elongation Change, %          | -20(max)         | -10             |
| <b>B36</b>        | -                             | 40%(button)(max) | 19              |
| <b>EA14</b>       | Hardness Change, pts.         |                  | +1              |
|                   | Tensile Strength Change, %    |                  | 0               |
|                   | Elongation Change, %          |                  | -22             |
|                   | Volume Change, %              | ±5               | +1.6            |
| <b>F18</b>        | Nonbrittle                    | pass             | pass            |
| <b>G11</b>        | mkN/m                         | 17(min)          | 44.0            |