


CS: 0.275" ±0.006" (6.99 mm ±0.15 mm)  
ID: 3.975" ±0.028" (100.97 mm ±0.71 mm)

|   |                                     |
|---|-------------------------------------|
|  <b>GLOBAL O-RING</b><br>and SEAL<br>ALL-AROUND BETTER | PART NUMBER<br><b>V90421</b>        |
| 14450 John F. Kennedy Blvd.<br>Houston, TX 77032<br><a href="http://www.globaloring.com">www.globaloring.com</a>                            | Viton 90 Duro AS568 Size 421 O-Ring |
| Information in this drawing is provided for reference only  |                                     |

|                 |                             |                                 |
|-----------------|-----------------------------|---------------------------------|
| <b>Compound</b> | 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 |
|-------------------|-------------------------------|------------------|-----------------|
| <b>Properties</b> | 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            |
| <b>A1-A10</b>     | 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            |
| <b>B37</b>        | ASTM D395-18, Method B        | 30%(plied)(max)  | 14.5            |
| <b>B38</b>        | ASTM D395-18, Method B        | 50%(plied)(max)  | 16.9            |
| <b>EF31</b>       | Hardness Change, pts, Shore A | ±5               | -3              |
|                   | Tensile Strength Change, %    | -25(max)         | -12             |
|                   | Elongation Change, %          | -20(max)         | -8              |
|                   | Volume Change, %              | 0~+10            | +2.8            |
| <b>EO78</b>       | 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            |