


CS: 1.78 mm  $\pm$ 0.08 mm (0.070"  $\pm$ 0.003")  
ID: 82.27 mm  $\pm$ 0.69 mm (3.239"  $\pm$ 0.027")

|                                                                                                                                             |                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
|  <b>GLOBAL O-RING</b><br>and SEAL<br>ALL-AROUND BETTER | PART NUMBER<br><b>N1.78X082.27</b>                     |
| 14450 John F. Kennedy Blvd.<br>Houston, TX 77032<br><a href="http://www.globaloring.com">www.globaloring.com</a>                            | Nitrile 70 Duro Metric O-Ring 1.78 mm CS X 82.27 mm ID |
| Information in this drawing is provided for reference only                                                                                  |                                                        |

|                 |                            |                                     |
|-----------------|----------------------------|-------------------------------------|
| <b>Compound</b> | N70-A101                   | Nitrile (Buna), General Purpose     |
|                 | Temperature Range (Static) | -30°C to 121°C                      |
|                 | Specification:             | M2BG714 A14 B14 EF11 EF21 EO14 EO34 |

Compound Previously Known As: N70101

|                   |                               | Required Results | Typical Results |
|-------------------|-------------------------------|------------------|-----------------|
| <b>Properties</b> | Hardness, (Shore A)           | 70±5             | 70              |
|                   | Tensile Strength, psi(MPa)    | 2031(min)        | 2547            |
|                   | Elongation, (%)               | 250(min)         | 288             |
|                   | Modulus at 100%, psi(MPa)     |                  | 816             |
|                   | Density, (Mg/m <sup>3</sup> ) |                  | 1.24            |
| <b>A14</b>        | Hardness Change, pts.         | ±15              | +5              |
|                   | Tensile Strength Change, %    | ±30              | +14             |
|                   | Elongation Change, %          | -50(max)         | -13             |
|                   | Weight Change, %              |                  | -1.1            |
| <b>B14</b>        | -                             | 25%(button)(max) | 13              |
| <b>EF11</b>       | Hardness Change, pts.         | ±10              | -4              |
|                   | Tensile Strength Change, %    | -25(max)         | -22             |
|                   | Elongation Change, %          | -25(max)         | -8              |
|                   | Volume Change, %              | -5~+10           | +3              |
| <b>EF21</b>       | Hardness Change, pts.         | -30~0            | -9              |
|                   | Tensile Strength Change, %    | -60(max)         | -18             |
|                   | Elongation Change, %          | -60(max)         | -21             |
|                   | Volume Change, %              | 0~+40            | +12             |
| <b>EO14</b>       | Hardness Change, pts.         | -5~+10           | +3              |
|                   | Tensile Strength Change, %    | -25(max)         | +6              |
|                   | Elongation Change, %          | -45(max)         | -18             |
|                   | Volume Change, %              | -10~+5           | -4              |
| <b>EO34</b>       | Hardness Change, pts.         | -10~+5           | -3              |
|                   | Tensile Strength Change, %    | -45(max)         | +5              |
|                   | Elongation Change, %          | -45(max)         | -20             |
|                   | Volume Change, %              | 0~+25            | +10             |