


CS: 0.139" ±0.004" (3.53 mm ±0.10 mm)  
ID: 8.984" ±0.050" (228.19 mm ±1.27 mm)

|                                                                                                                                             |                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
|  <b>GLOBAL O-RING</b><br>and SEAL<br>ALL-AROUND BETTER | PART NUMBER<br><b>A80270</b>        |
| 14450 John F. Kennedy Blvd.<br>Houston, TX 77032<br><a href="http://www.globaloring.com">www.globaloring.com</a>                            | Aflas 80 Duro AS568 Size 270 O-Ring |
| Information in this drawing is provided for reference only                                                                                  |                                     |

|                 |                             |                                |
|-----------------|-----------------------------|--------------------------------|
| <b>Compound</b> | A80-F101                    | AFLAS®, Black, General Purpose |
|                 | Temperature Range (Static): | -10°C to 220°C                 |
|                 | Cure System:                | Peroxide                       |
|                 | Specification:              | M2HK810 A1-10 B37 B38          |

Compound Previously Known As: A80101

|                                   |                                 | Required Results | Typical Results |
|-----------------------------------|---------------------------------|------------------|-----------------|
| <b>Properties</b>                 | Hardness, (Shore A)             | 80±5             | 81              |
|                                   | Tensile Strength, psi(MPa)      | 1450(10)(min)    | 2772(19.11)     |
|                                   | Elongation, (%)                 | 150(min)         | 224             |
|                                   | Tear Resistance, Kgf/cm (die C) |                  | 41              |
|                                   | Modulus at 100%, psi(Mpa)       |                  | 1256(8.66)      |
|                                   | Modulus at 200%, psi(Mpa)       |                  | 2641(18.21)     |
|                                   | Specific Gravity                |                  | 1.62            |
| <b>A1-10</b>                      | Hardness Change, pts.           |                  | 0               |
|                                   | Tensile Strength Change, %      |                  | -20             |
|                                   | Elongation Change, %            |                  | -14             |
|                                   | Weight Change, %                |                  | -4.5            |
| <b>A</b>                          | Hardness Change, pts.           | +10 (max)        | -1              |
|                                   | Tensile Strength Change, %      | -25 (max)        | -58             |
|                                   | Elongation Change, %            | -25 (max)        | -6              |
|                                   | Weight Change, %                |                  | 8.4             |
| <b>B37</b>                        | -                               | 50%(plied)(max)  | 47              |
| <b>B38</b>                        | -                               |                  | 50              |
| <b>Service Liquid No. 101 Oil</b> | Hardness Change, pts.           |                  | -22             |
|                                   | Tensile Strength Change, %      |                  | -31             |
|                                   | Elongation Change, %            |                  | +22             |
|                                   | Volume Change, %                |                  | +24.8           |
| <b>Mobil Jet Oil II</b>           | Hardness Change, pts.           |                  | -15             |
|                                   | Tensile Strength Change, %      |                  | -26             |
|                                   | Elongation Change, %            |                  | +15             |
|                                   | Volume Change, %                |                  | +20             |
| <b>ASTM Fuel C Resistance</b>     | Hardness Change, pts.           |                  | -41             |
|                                   | Tensile Strength Change, %      |                  | -66             |
|                                   | Elongation Change, %            |                  | -36             |
|                                   | Volume Change, %                |                  | +75.9           |