

Date: August-14

Specification: ASTM D2000 M2HK810 B37 Z1

Z1: Hardness = 75±5 Shore A

Temperature Range: -5° to 200° C

NOTE: All testing done on slabs and buttons.

| Original Properties   | Specification | A75   |
|---|---------------|-------|
| Hardness, Shore A   | 75±5          | 80    |
| Tensile Strength, psi   | 1450 (min)    | 2097  |
| Ultimate Elongation, %  | 150 (min)     | 334   |
| Tear Strength, Kgf/cm   | -             | 42    |
| Modulus at 100%   | -             | 937   |
| Modulus at 200%   | -             | 1681  |
| Specific Gravity  | -             | 1.609 |
| Color   | -             | Black |
| <b>Heat Resistance - ASTM D 573 (70 hrs @ 250°C)</b>                  |               |       |
| Hardness Change, points   | -             | +6    |
| Tensile Strength Change, %  | -             | -3    |
| Elongation Change, %  | -             | -25   |
| Volume Change, %  | -             | -6.3  |
| <b>Heat Resistance - ASTM D 573 (70 hrs @ 275°C)</b>                  |               |       |
| Hardness Change, points   | -             | +5    |
| Tensile Strength Change, %  | -             | -37   |
| Elongation Change, %  | -             | -39   |
| Volume Change, %  | -             | -9.1  |
| <b>Compression Set, % - B37, ASTM D 395 Method B (22 hrs @ 175°C)</b> |               |       |
| Permanent Set, %  | 50 (max)      | 44    |
| <b>Compression Set, % - ASTM D 395 Method B (22 hrs @ 200°C)</b>      |               |       |
| Permanent Set, %  | -             | 56    |
| <b>Fluid Resistance, ASTM Fuel C - ASTM D 471 (70 hrs @ 23°C)</b>     |               |       |
| Hardness Change, points   | -             | -38   |
| Tensile Strength Change, %  | -             | -57   |
| Elongation Change, %  | -             | -59   |
| Volume Change, %  | -             | +76.3 |

The information contained herein is believed to be reliable, but no representation, guarantees or warranties of any kind are made to its accuracy or suitability for any purpose. The information presented herein is based on laboratory testing and does not necessarily indicate end product performance. Full scale testing and end product performance are the responsibility of the user.



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Temperature Range: -5° to 200° C

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## Fluid Resistance, ASTM #101 Oil - ASTM D 471 (70 hrs @ 200°C)

|                            |   |       |
|----------------------------|---|-------|
| Hardness Change, points    | - | -22   |
| Tensile Strength Change, % | - | -17   |
| Elongation Change, %       | - | -10   |
| Volume Change, %           | - | +27.1 |

## Fluid Resistance, Hatco 7700 - ASTM D 471 (70 hrs @ 200°C)

|                            |   |       |
|----------------------------|---|-------|
| Hardness Change, points    | - | -21   |
| Tensile Strength Change, % | - | -12   |
| Elongation Change, %       | - | -17   |
| Volume Change, %           | - | +27.4 |

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