

Specification: ASTM D2000 M3BA710 A14 B13 C12 EA14 F19

Cure System: Sulfur

Recommended Service Temperature: -65 °F to 212 °F (-54 °C to 100 °C)

NOTE: All testing done on slabs and buttons.

| Original Properties | Specification | Typical value |
|------------------------|---------------|---------------|
| Hardness, Shore A | 70±5 | 72 |
| Tensile Strength, psi | 1450 (min) | 2120 |
| Ultimate Elongation, % | 250 (min) | 297 |
| Tear resistance Kgf/cm | | 42 |
| Modulus at 100%, psi | | 680 |
| Modulus at 200%, psi | | 1457 |
| Specific Gravity | | 1.171 |
| Color | | Black |

Heat Resistance - A14 , ASTM D 865 (70 hrs @ 100 °C)

| | | |
|----------------------------|-----|-----|
| Hardness Change, points | +10 | +4 |
| Tensile Strength Change, % | -25 | 0 |
| Elongation Change, % | -25 | -24 |

Heat Resistance - A25, ASTM D 865 (70 hrs @ 125 °C)

| | | |
|----------------------------|--|-----|
| Hardness Change, points | | +7 |
| Tensile Strength Change, % | | +4 |
| Elongation Change, % | | -35 |
| Volume Change, % | | -4 |

Compression Set, % - B13, ASTM D 395 Method B (22 hrs @ 70 °C)

| | | |
|------------------|----|----|
| Permanent Set, % | 25 | 10 |
|------------------|----|----|

Ozone Resistance - C12, ASTM D 1171 Method B (72 hrs @ 70 C)

| | | |
|----------|------|------|
| No Crack | Pass | Pass |
|----------|------|------|

Fluid Resistance, Water - EA14, ASTM D 471 (70 hrs @ 100 °C)

| | | |
|----------------------------|-------|------|
| Hardness Change, points | | +1 |
| Tensile Strength Change, % | | +4 |
| Elongation Change, % | | -13 |
| Volume Change, % | +/- 5 | +0.4 |

Low Temperature Resistance - F19, ASTM D 2137 Method A, 9.3.2

| | | |
|------------------------------------|------|------|
| (Non-brittle after 3 min @ -55 °C) | Pass | Pass |
|------------------------------------|------|------|

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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