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| <b>MATERIAL</b>    | Silicone 75 Shore FDA, 3A & USp Class VI Red<br>ASTM D 2000 M2GE 709 A19B37E036   |
| <b>DESCRIPTION</b> | Low compression set Silicone O ring moulding grade material<br>FDA compliant to CFR 21 177-2600 & European regulations EC1935/2004<br>3-A 18-03 compliant to Class 1<br>Meets EN10/2011 |
| <b>APPLICATION</b> | This material has excellent thermal resistance to both high and low temperatures and is good with oxygen and ozone attack.  |
| <b>TEMPERATURE</b> | Low temperature service limit -76°F (-60°C)<br>Upper temperature continuous service limit +446°F (+230°C)   |
| <b>PRODUCTS</b>    | Moulding (custom/O rings)   |

### PHYSICAL PROPERTIES

| ORIGINAL  | STANDARD   | TYPICAL VALUES |
|---|------------|----------------|
| Specific Gravity  | ASTM D1817 | 1.56           |
| Durometer shore A (slab)                                      | ASTM D2240 | 74             |
| Elongation % (Dumbbell)                                       | ASTM D412  | 160            |
| Tensile strength Psi (Mpa) (Dumbbell)                         | ASTM D412  | 1378 (9.5)     |
| Compression set % 22h @ 347°F (175°C) (slab)                  | ASTM D395B | 7.46           |
| <b>HEAT AGEING 70h @ 437°F (225°C) ASTM D573</b>              |            |                |
| Durometer change points shore A                               |            | -1             |
| Elongation change %   |            | -24            |
| Tensile strength change Psi (Mpa)                             |            | -290 (-2)      |
| Weight loss grams   |            | 0.14           |
| <b>FLUID IMMERSION Oil No 3 70h @ 302°F (150°C) ASTM D471</b> |            |                |
| Volume change %   |            | +32            |
| Durometer change points shore A                               |            | -18            |
| Elongation change %   |            | -6.9           |
| Tensile strength change Psi (Mpa)                             |            | -275 (-1.9)    |

#### Information

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