



Manufacturer of TFE-O-SIL<sup>®</sup> O-Rings & Gaskets Since 1976  
FEP & PFA Encapsulated Silicone, Flouroelastomer & EPDM



## SILICONE – 70 DUROMETER

*USP Class VI Approved – Platinum Cure  
FDA Conforming – Title 21 CFR 177.2600*

| Original Properties   | ASTM D2000<br>Test Method | Requirement | Result |
|-----------------------|---------------------------|-------------|--------|
| Durometer, Shore A    | D2240                     | 70 $\pm$ 5  | 73     |
| Tensile strength, psi | D 412                     | 650         | 1000   |
| Elongation, %         | D 412                     | 125         | 650    |

### Compression Set 22 Hours @ 175°C (347°F)

|                                |       |    |    |
|--------------------------------|-------|----|----|
| % of original deflection, max. | D 395 | 30 | 19 |
|--------------------------------|-------|----|----|

### Low Temperature Brittleness

|                        |       |             |                |
|------------------------|-------|-------------|----------------|
| 3 minutes @ -55°C      | D2137 | non-brittle | Pass           |
| Brittle point, °C (°F) | D2137 | -           | -73°C (-100°F) |

**Temperature Range °C (°F)**                      -55° to + 200°C   (-67° to + 392°F)

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