

Form-In-Place Sealing Gasket

F6023



Description

The F6023 is a water and environmental seal Form-In-Place gasket. This product is designed as a non-electrically conductive option with the added benefits of a resilient elastic gasket and good adhesion on general plastics and metals.

The F6023 is a room temperature curable silicone system that is optimized for the Form-In-Place process. Leakage of silicone oil under high temperature and pressure does not occur.

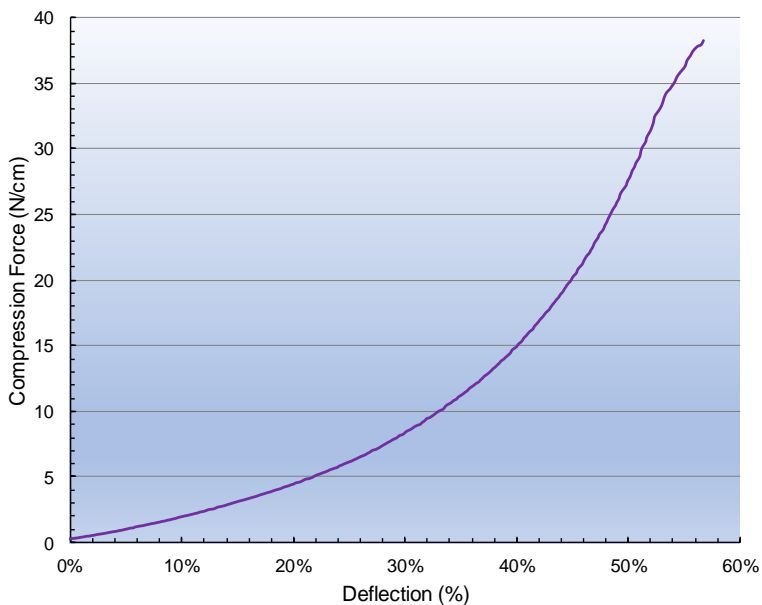
Benefits

- Low surface tension, excellent waterproof ability
- Non-stick surface, flexibility and non-slip
- This material has precise elastic rubber properties designed for a low compression force

Force-Deflection of F6023 Gasket

1.0 mm(H) * 1.3 mm(W) * 5.0 mm(L)
Rate of Strain, 1.5mm/min

— Compression Force



| Properties | Unit | F6023 |
|-------------------------------|-------------------|----------------------|
| Elastomer Binder | | Silicone |
| Color | | Black |
| Physical Properties | | |
| Density | g/cm ³ | 1.02 |
| Hardness | Shore A | 25 |
| Curing System | | Moisture |
| Adhesion Al metal | N/cm ² | >50 |
| Tensile Strength | psi | 500 |
| Elongation | % | 300 |
| Tear Strength | lbf/in | 100 |
| Compression Set @70°C, 72hrs. | % | 15 |
| Temperature Range Maximum | °C | -45 to 150 |
| Using Temperature | °C | 200 |
| Electrical Properties | | |
| Volume Resistivity | Ohm-cm | 1 x 10 ¹⁴ |
| Dielectric Strength | kV / mm | 20 |

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