

# F-6003

Non-Conductive Form-In-Place Gasket

### Characteristics:

TennVac's F-6003 is designed as a water and environmental sealed Form-In-Place gasket, harder than previous F-6000 family. It is not electrical conductive but provides extremely resilient elastic gasket with good adhesion on general plastics and metals. It is a two component, heat curable Silicone system, optimized for Form-In-Place process.

### Features:

- Short curing cycle, within one hour, to meet high production rate products
- No leaking of silicone oil under high temperature/pressure
- Very elastic rubber property, low compression force

### Applications:

- Base Station
- Telecommunication Devices

### Curing:

- 80°C x 60 min.

### Typical Properties:

| Properties                   | Unite   | F-6003               |
|------------------------------|---------|----------------------|
| Elastomer Binder             |         | Silicone             |
| Color                        |         | Black                |
| Conductive Filler            |         | None                 |
| <b>Physical Properties</b>   |         |                      |
| Specific Gravity             | g/cm    | 1.05                 |
| Shore A Hardness             |         | 50                   |
| Tensile Strength             | psi     | 450                  |
| Elongation                   | %       | 450                  |
| Tear Strength                | lb/in   | 100                  |
| Compression Set              | %       | 50                   |
| Temperature Range            | °C      | -45 ~+150            |
| Maximum Using Temperature    | °C      | 200                  |
| <b>Electrical Properties</b> |         |                      |
| Volume Resistivity           | Ohm -cm | 1 x 10 <sup>12</sup> |

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