

Form-In-Place Sealing Gasket

F6003



Description

The F6003 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.

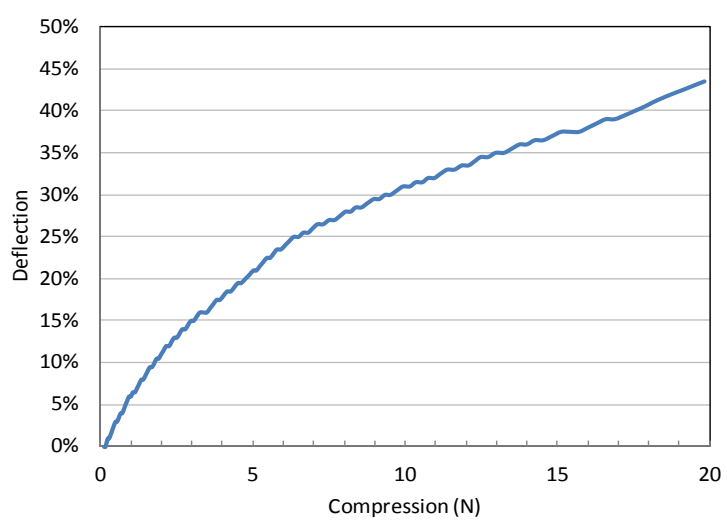
The F6003 is a two component material with a heat curable silicone system that is optimized for the Form-In-Place process. It has a quick production cycle due to a heat curing process of less than one hour.

Benefits

- Leakage of silicone oil under high temperature and pressure does not occur
- This material has precise elastic rubber properties designed for a low compression force
- An accuracy for gasket location within 0.001" (0.025 mm)
- A rate of greater than 100 Newtons/cm² shear adhesion on common housing substrates and coatings

Compression and deflection on F6003

— F6003 1mm(H) x 1.3mm(W) x 5mm (L)



Properties	Unit	F6003
Elastomer Binder		Silicone
Color		Black
Physical Properties		
Specific Gravity	g/cm ³	1.05
Hardness	Shore A	40
Adhesion Al metal	N/cm ²	>100
Tensile Strength	psi	450
Elongation	%	200
Tear Strength	lb/in	100
Compression Set	%	15
Temperature Range	°C	-45 to 150
Maximum Using Temperature	°C	200
Electrical Properties		
Volume Resistivity	Ohm-cm	1 x 10 ¹²

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