

## Form-In-Place Sealing Foam Gasket F6012



### Description

The F6012 is a water and environmental seal Form-In-Place silicone foam 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 plastic and metal surfaces, it is the best choice to replace conventional PU foam gasket system.

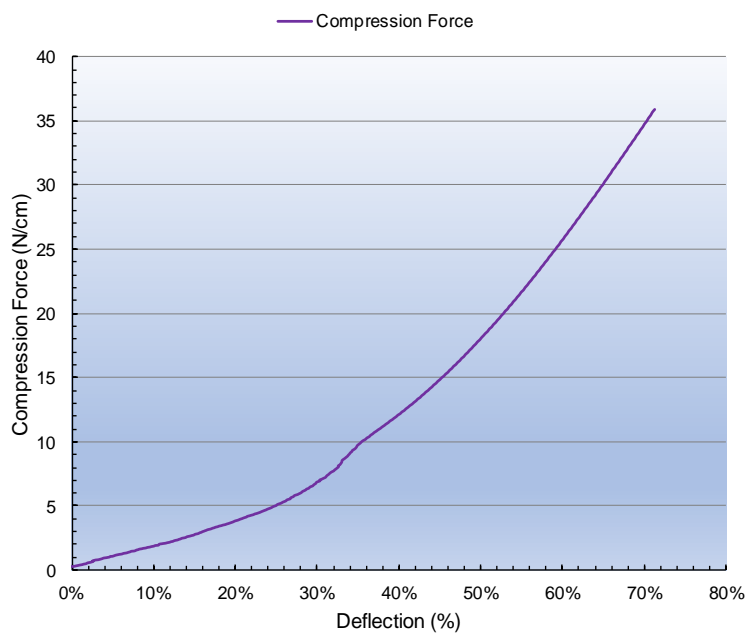
The F6012 is a heat curable silicone foaming system that is optimized for the Form-In-Place process. Leakage of silicone oil under high temperature and pressure does not occur.

### Benefits

- Low surface tension, excellent waterproof ability
- Non-stick surface, flexibility and non-slip
- Dry surface, no dust accumulation concern
- Very elastic foam properties designed for a very low compression force
- Ozone and UV resistance

### Force-Deflection of F6012 Gasket

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



Properties	Unit	F6012
Elastomer Binder		Silicone Foam
Color		Black
<b>Physical Properties</b>		
Density	g/cm <sup>3</sup>	0.47
Hardness	Shore A	20
Cure System		Thermal
Adhesion Al metal	N/cm <sup>2</sup>	>45
Tensile Strength	psi	>100
Elongation	%	200%
Tear Strength	lbf/in	>12
Compression Set @70°C, 72 hrs.	%	30
Temperature Range	°C	-45 to 150
Maximum Using Temperature	°C	200
<b>Electrical Properties</b>		
Volume Resistivity	Ohm-cm	3 x 10 <sup>15</sup>
Dielectric Strength	kV / mm	20

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