

Form-In-Place Sealing Gasket

F6081



Description

The F6081 is a water, dust, fluid and environmental sealing, Form-In-Place fluorosilicone 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 substrate.

The F6081 is a heat curable fluorosilicone rubber system that is optimized for the Form-In-Place process. Application advantage of F6081 is the resistance to a wide variety of fluids.

Benefits

- Low surface tension, excellent waterproof ability
- Non-stick surface, flexibility and non-slip
- Dry surface, no dust accumulation concern
- Flexibility at low temperature
- Resistance to PAO, polar solvent, automotive fuel, oil additives (Amine), chemicals and steam
- Very low outgassing, pass NASA outgassing test

Properties	Unit	F6081
Elastomer Binder		Fluorosilicone
Color		Black
Physical Properties		
Density	g/cm ³	1.85
Hardness	Shore A	40
Adhesion Al metal	N/cm ²	>50
Tensile Strength	psi	>500
Elongation	%	390%
Tear Strength	lbf/in	>50
Compression Set @70°C , 72 hrs.	%	15
Temperature Range	°C	-50 to 150
Maximum Using Temperature	°C	200
NASA Outgassing (ASTM E595)		
% TML	%	0.120%
% CVCVM		0.010%
PAO Resistance	NASA PAO Immersion	Pass
Electrical Properties		
Volume Resistivity	Ohm-cm	1 x 10 ¹⁴
Dielectric Strength	kV / mm	20

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