

4.

F.I.P.

**FORM
IN
PLACE.**



GENERAL INFORMATION

Euro Technologies' Form in Place is an automated system for dispensing conductive elastomer EMI shielding and grounding gaskets onto metal or plastic substrates.

This product is particularly ideal for small telecommunication and medical devices, radios and many other cast or plastic enclosures and packaged electronic assemblies.

Customizations



FEATURES AND BENEFITS

- Small consistent bead can be applied to thin walls, saving labor and eliminating material waste.
- Soft compressible materials.
- Dispense on metal or plastic.
- Automated process capable of irregular shapes and tight tolerances.

APPLICATION

- Cell phones.
- Cellular base stations.
- Hand held devices.
- Electromedical devices.
- Automotive.

DATA SHEET TABLE

Compound	Test Method	Units	FIP-SSN	FIP-SSC
Elastomer			Silicone	Silicone
Filler			Silver/Nickel	Silver/Copper
Color			Beige	Beige
Electrical Properties	Test Method	Units		
Volume Resistivity	MIL-DTL-83528 Para 4.5.10	Ohm-cm	0.005	0.006
Shielding Effectiveness 200 Mhz to 10 Ghz	MIL-DTL-83528 Para 4.5.12	dB	90 - 110	85 - 110
Physical Properties	Test Method	Units		
Hardness	ASTM D2240	Shore A	48	48
Compression set	ASTM D575	%	< 20	< 20
Adhesion Strenght (Al)		N/cm ²	170	150
At 20% compression		N/cm	1.40	2.10
At 40% compression		N/cm	7.70	7.88
Temperature Range		°C	- 50 to 125	- 50 to 125
Curing Requirements	Test Method	Units		
Time before Handling		Hours	2 - 3	2 - 3
98% Cure		Hours	12	12

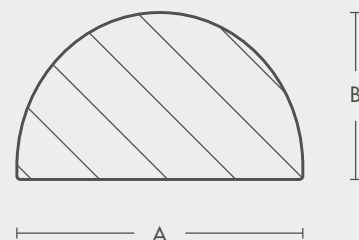
TOLERANCES

Bead foot width A (mm)

	Dimensional Tolerances
> 0.25 to 1.00	± 0.15
> 1.00 to 2.00	± 0.20
> 2.00	± 0.25

Bead height B (mm)

	Dimensional Tolerances
> 0.25 to 1.00	± 0.15
> 1.00 to 2.00	± 0.20
> 2.00	± 0.25



FIP-SSA	FIP-SSG	FIP-SNC
Silicone	Silicone	Silicone
Silver/Al	Silver/Glass	Ni/ Carbon
Beige	Beige	Dark Gray
0.008	0.009	0.015
87 - 120	85 - 100	85 - 110
57	54	53
< 20	< 20	< 20
150	120	150
3.15	3.15	2.60
8.20	9.60	13.80
- 50 to 125	- 50 to 125	- 50 to 125
2 - 3	2 - 3	1
12	12	12

ORDERING INFORMATION

FIP - **SNC** - **055**

FIP Product Family

SNC SNC = Silicone - Nickel/Carbon / SSC = Silicone - Silver/Copper / SSA = Silicone - Silver/Aluminium
SSG = Silicone - Silver/Glass / SSN = Silicone - Silver/Nickel

055 Cartridges dim. (cc) 55 - 300