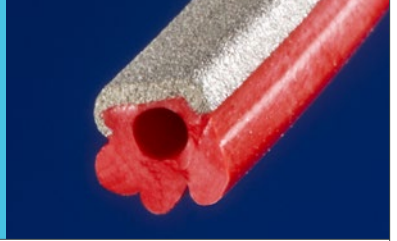


COMPASHIELD® EE PRESSFIT / ANTI-STRETCH



COMPASHIELD® EE

Compashield® EE gaskets developed by Nolato are extruded in parallel with dual conductive/non-conductive gaskets, providing both optimum EMI and environmental shielding in a single, cost-effective design.



TYPICAL MATERIAL PROPERTIES

PROPERTY	TEST	UNIT	1540	8648	8651
Base material			Silicone	Silicone	Silicone
Conductive filler			-	Ni/C	Ag/Al
Volume resistivity, as moulded	MIL-DTL-83528C	mOhmcm	-	5,6	3
Volume resistivity, aged 188°C/48h	MIL-DTL-83528C	mOhmcm	-	7,8	4
Shielding effect Average 0.3-20 GHz Average 20-50 GHz	Nolato cavity-to-cavity	dB	-	140	130 110
Density	ISO 2781	g/cm3	1,1	2,4	2,1
Hardness	ISO 7619	Shore A	40	80	80
Tensile strength	ISO 37	Mpa	8,5	4,3	3,5
Elongation at break	ISO 37	%	650	140	200
Tear strength	ISO 34-1C N/mm	30	16	16	-
Compression set, 72 h, 100°C	ISO 815	%	8	40	31
Flammability	UL 94		V1	V0	V0
Compression modulus, 10% strain 20% strain	ISO 7743	Mpa	4,0 4,5	10,9 13,1	8,8 9,7

FEATURES AND BENEFITS

- Combination of excellent shielding effect and environmental sealing
- Unique design for simple installation
- Secured sealing thanks to splicing
- Space saving
- Optimized conductive/non-conductive material combination
- Broad range of metal fillers that meet all needs
- Low compression set
- Low compression force
- Availability also includes cut-into length, or on the roll
- Fast prototyping within 5 working days for customized profiles

APPLICATIONS

Typical applications of Compashield EE gaskets include mainly telecom communications equipment, but it's also applicable for military appliances, rack mounted cabinets, doors and panels.

MODUS ADVANCED TAKES
YOU FROM IDEA TO IGNITION



IDEA



ENGINEERING



SOLUTION



IGNITION



PICK A MATERIAL

LET MODUS CUT IT TO SIZE

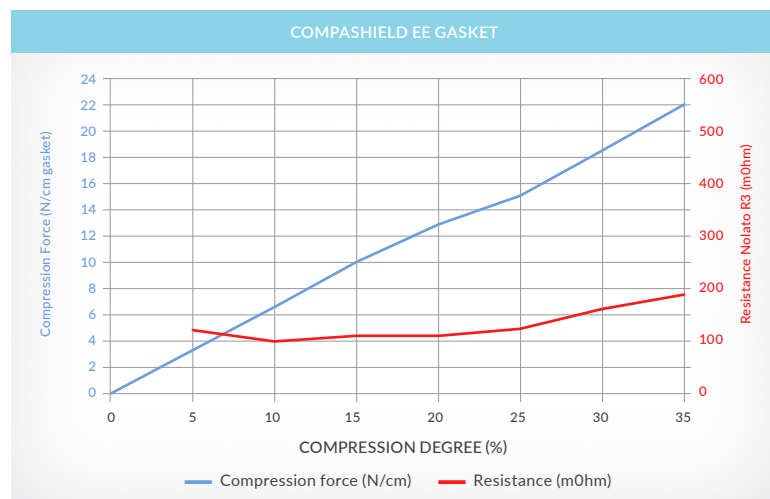
COMPASHIELD® EE PRESSFIT / ANTI-STRETCH

AVAILABILITY

Typical configurations of Compashield® EE gaskets are pictured below. Many of other profiles and dimensions are available based on customer requests.

	ARTICLE NO. 1516	ARTICLE NO. 1560	ARTICLE NO. 1610
Typical Profile			
Nominal Dimensions	A: 3.20 ± 0.15 B: 3.56 ± 0.15 C: 3.63 ± 0.15 D: 1.60 ± 0.1	A: 2.46 ± 0.15 B: 5.59 ± 0.15 C: 5.59 ± 0.15 D: 1.06 ± 0.1	A: 4.57 ± 0.15 B: 4.75 ± 0.15 C: 1.65 ± 0.1

COMPRESSION / RESISTANCE PERFORMANCE



COMPRESSION SET ON EE GASKET

PROPERTY	TEST CONDITION	COMPASHIELD EE GASKET
Compression set, ISO 815	72 h, 100°C	10%
Compression set, *Dry Heat	1000 h, 85°C	12%

*Tested on Compashield EE gasket model 1516. Test results for other profiles or dimensions are available on request. Recommended compression degree is 10% to 30% in the assembled state.

COMPASHIELD® EE PRESSFIT / ANTI-STRETCH

INSTALLATION

METHOD WITH TAPE ATTACHMENT:

For easier handling if transported, Compashield EE gaskets can be mounted onto the flange by using a double-coated adhesive tape on the back side. Remove the release film and position the gasket using light pressure. When the gasket is properly positioned, firmly press onto the flange.

Upon request, Nolato can deliver the EE gasket with tape on the back side.

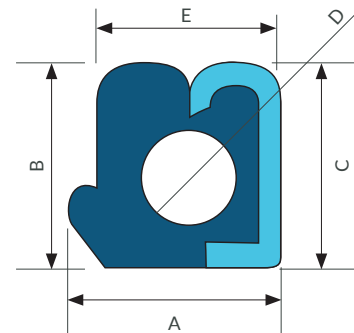
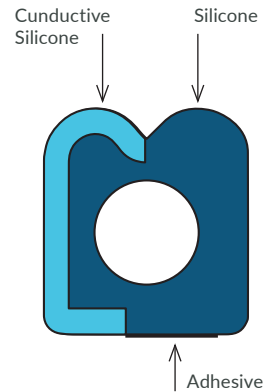
The tape has an adhesive that adheres strongly to silicon rubber, and an acrylic resin adhesive that adheres on metal and plastic materials, etc.

NOLATO RECOMMENDED SOLUTION—EE WITH PRESS-FIT:

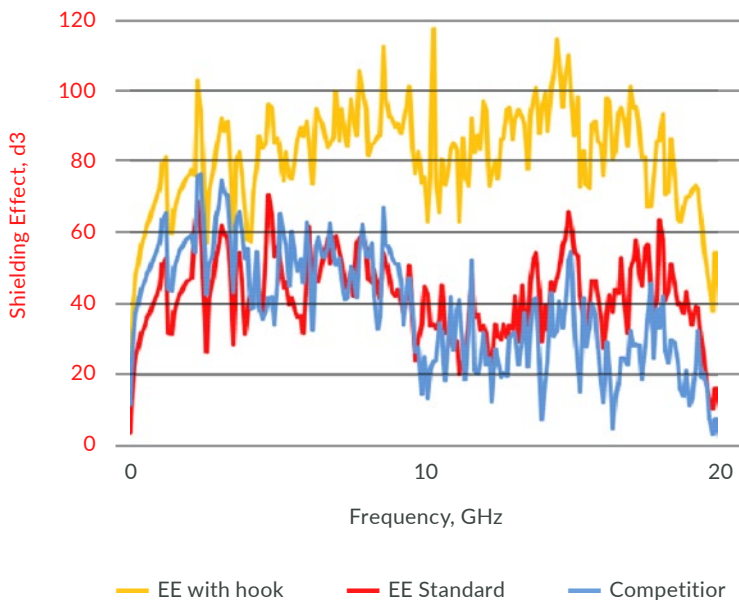
Compashield EE gasket with press-fit is an improved version of the standard EE gasket. This solution offers several benefits. The gasket could be fixed in place without back tape and offers an extremely good shielding effect thanks to the unique design.

Press-fit for grip eliminates the need for adhesives and tapes. Press-fit presses the conductive silicone towards the contacting walls, and keeps the gasket in position. High contact pressure gives better contact and better shielding.

This is an environmentally friendly solution for users.

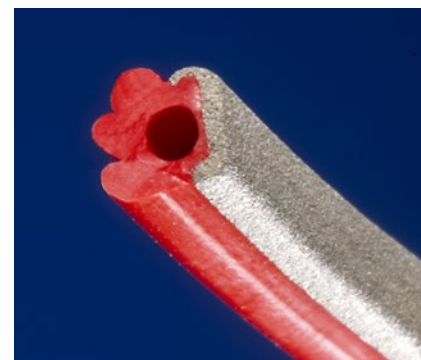


COMPARISON OF SHIELDING EFFECT

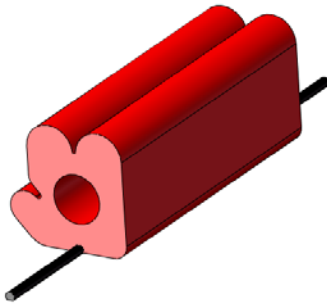


3 GREAT BENEFITS OF EE WITH PRESS-FIT

- Extremely good shielding effectiveness, with 30dB improvement compared with the standard profile
- 10%-20% cost savings on backside tape and assembly
- 30% quicker assembly



COMPASHIELD® EE PRESSFIT / ANTI-STRETCH



NOLATO FEATURED SOLUTION—COMPASHIELD ANTI-STRETCH:

Compashield Anti-stretch is a newly developed solution from Nolato for customers with high sealing requirements. It's available for both EMI or environmental shielding, or both at the same time.

This solution means the silicone rubber material is extruded together with a thread. The thread could be a metal or textile, depending on the application. With this method, the length of the gasket is fixed, providing operators with the possibility of easy assembly with high precision.



4 GREAT BENEFITS OF COMPASHIELD ANTI-STRETCH

- Fast assembly with 100% precision in length
- Improved secured sealing
- Higher output due to lower risk of assembly mistakes
- The ability to form the gasket with a metal thread

CUSTOMERS ALSO SEARCHED:

EMI shielding gasket	Nickel graphite gasket	Nickel graphite form in place
Electrically conductive gasket	Nickel graphite silicone	CHO-SEAL
Environmental seal	EMI elastomers	Conductive elastomer
Conductive gaskets	Extruded emi gasket	Connector gaskets
EMI/RFI gaskets	Conductive extrusion	Waveguide gaskets
Silver gasket	Flame-retardant silicones	Conductive form-in-place
WesShield	QPL listed silicone	Molded EMI gasket
Compashield	MIL-DTL-83528	

We are Modus! With multiple locations in North America and China, Modus Advanced, Inc. is a diversified custom manufacturer that converts EMI Shielding, Environmental Gasket Materials, Microwave Absorbers, Acoustic Materials, Thermal Interface Materials and other high performance materials into finished parts. Modus utilizes its 40 years as an established provider of high quality, reliable products to create precisely what customers specify. Innovative processes; custom fabrication utilizing performance materials; an on time delivery record of more than 99% means Modus is well positioned to help your company succeed.

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