



Compashield® 2.0
Maj 2024

Experience and innovation



Reduced compression force and better compression set.

Compashield® 2.0 is Nolato's improved extruded EMI gasket designed for the future. It combines optimal EMI shielding and a safe environmental sealing in a single gasket.

Compashield® 2.0 is a development of the Compashield® EE concept to enhance the original benefits of the Compashield® EE with more flexible solutions in terms of material, construction and function.

The softer gasket of Compashield® 2.0 requires less force for compression. Compared to traditional materials, Compashield® 2.0 also offer

better compression set. This means that the gasket will return to its original shape much more successfully than previously possible.

With twice the tensile strength, Compashield® 2.0 is robust to work with. Unlike many gaskets, aging does not impair shielding effectiveness of the Compashield® 2.0.

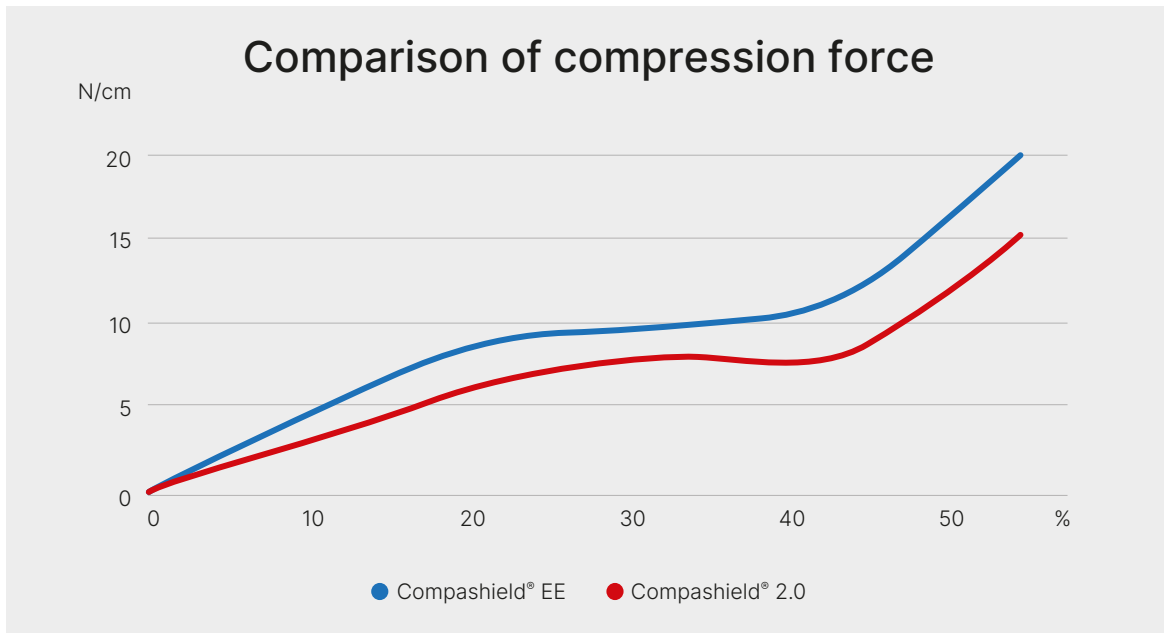
Instead, Compashield® 2.0 provides continued low resistance and excellent shielding performance after aging.

Compashield® 2.0 is designed for 5G frequencies to ensure that it meets future shielding demands.



COMPASHIELD 2.0

- **Up to 20% lower compression force**
Less force needed when compressing the gasket
- **Up to 30% better compression set**
Ensures good contact and improved shielding in the long-term.
- **Twice the tensile strengt**
Robust to work with
- **Electrical resistance improved by 50%**
Excellent resistance also after aging



Property	Test method	Unit	Compashield® EE	Compashield® 2.0
Compression force, @ 30% compression degree	Nolato	N/cm	9,8	8,0
Compression set, @ 100C / 168 h	ISO 815	%	7	5
Compression set, @ 100C / 1000 h	ISO 815	%	9	6
Tensile strenght, on the gasket	ISO37	Mpa	3,4	6,6
Elongation, on the gasket	ISO37	%	330	530
Electrical resistance, fresh	Nolato R1	Ohm	0,9	0,5
Electrical resistance, aged 125C / 1000 h	Nolato R1	Ohm	2,2	0,7



Nolato Silikonteknik, EMC & Thermal Solutions

Nolato is a world leading developer and supplier of material and know-how for EMI shielding solutions made of electrically conductive silicon and Thermal Interference Materials. Our headquarters and Nolato Tech Center are located in Hallsberg, Sweden with additional manufacturing sites in Beijing China, Penang Malaysia & Győr Hungary. Nolato offers local production on a global scale with more than fifty EMC Production Partners around the world manufacturing the Trishield gasket.

Founded in 1970, Nolato EMC & Thermal Solutions became a part of the Nolato Group in 1988. Nolato's quality and environmental management systems have been certified with ISO 9001 and ISO14000.

