

NYS-CURE® CG-5010 Ag/Ni FIP Conductive Gasket (Super Elasticity)

NYS-CURE® CG-5010, a Nystein proprietary product, is a room temperature curing, typical Silver/Nickel filler size FIP conductive gasket. With guaranteed excellent conductivity and super elasticity, it features elastic resilience when assembling. Abrasion resistant becomes another benefit after curing.

Featured excellent conductivity, good elasticity and low compression set, NYS-CURE® CG-5010 has good adhesion strength on metal and plastic surfaces. The product can be applied to defense and critical industrial applications.



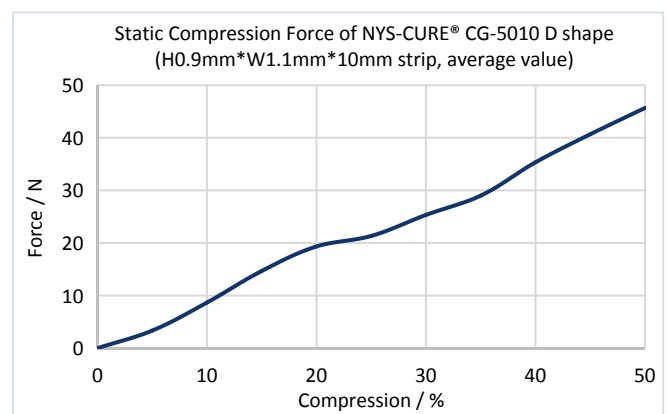
SPECIFICATIONS:

Typical Performance	NYS-CURE®CG-5010	Unit	Test Method
Color	Beige	-	Visual
Resin System	Silicone	-	-
Filler	Ag/Ni	-	-
Volume Resistivity	0.01	Ohm-cm	MIL-DTL-83528C
Shielding Effectiveness	≥100	dB (200M~18G)	MIL-DTL-83528C
Hardness	45	Shore A	ASTM D2240
Density	3.5	g/cm ³	ASTM D792
Compression Set	≤30	%	ASTM D395
Adhesion Strength	≥10	N/cm	QA-WI-054
Working Temperature	-50~+125	°C	ASTM D1329
Flammability Rating	V-0	-	UL 94(with Al plate)
Curing Mechanism	Moisture cure	-	-
Curing Condition	25	°C	-
Curing Time	24	H	-
Storage Condition	-30°C~-10°C, 3 Months	-	-

FEATURES & BENEFITS:

- Super elasticity with lower compression set.
- Abrasion resistant, withstanding high temperature, high reliability.
- Excellent EMI shielding effectiveness, over 90dB.
- Room temperature curing to avoid negative impact on enclosure and other component(s).
- Savings on raw material, assembly labors.
- Savings on expensive tooling costs and support fast prototyping.

COMPRESSION-DEFLECTION CURVE:



Declare:

The recommendation and data furnished by Nystein China is based on our experiment and experience to date. This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Nystein China shall not be liable for their usage and processing. The technology data sheet is subject to change without notice. The final interpretation right of the contents of this specification belongs to Nystein China.