

## NYS-CURE® CG-5011 Ag/Ni FIP Conductive Gasket (Ultra Fine)

NYS-CURE® CG-5011, a Nystein proprietary product, is a room temperature curing, small Silver/Nickel filler size FIP conductive gasket. With guaranteed excellent conductivity and dispensing flow rate, it features ultra fine and smooth with optimized ingredients ratio. The FIP gasket can be dispensed onto a narrow ridge contact surface while maintaining designed cross section shape without deformation.

With benefits of good elasticity and low compression set, NYS-CURE® CG-5011 has good adhesion on various metal and plastic surface. The product can be applied to optical transceivers, telecommunication base stations, radar equipment, handheld devices and consumer electronics, etc.



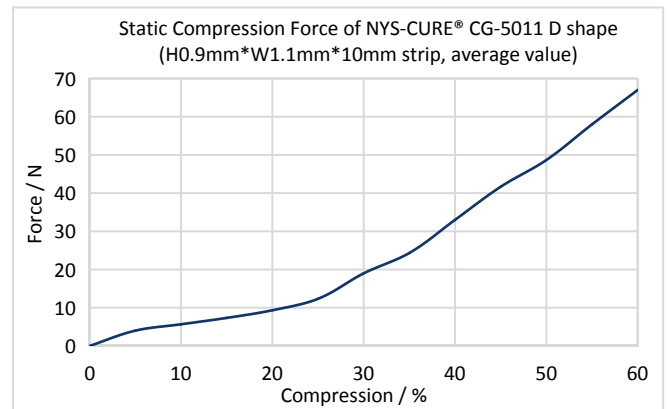
### SPECIFICATIONS:

Typical Performance	NYS-CURE®CG-5011	Unit	Test Method
Color	Grey	-	Visual
Resin System	Silicone	-	-
Filler	Ag/Ni	-	-
Volume Resistivity	0.01	Ohm-cm	MIL-DTL-83528C
Shielding Effectiveness	90	dB (200M-18G)	MIL-DTL-83528C
Hardness	60	Shore A	ASTM D2240
Density	3.8	g/cm <sup>3</sup>	ASTM D792
Compression Set	30	%	ASTM D395
Adhesion Strength	10	N/cm	QA-WI-054
Tensile Strength	200	PSI	ASTM D412
Elongation at Break	180	%	ASTM D412
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:

- Minimum dispensing surface width is 0.3mm.
- 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.