

NYS-CURE® CG-8020 Fast Flow Ni/C FIP Conductive Gasket

NYS-CURE® CG-8020, a Nystein proprietary product, is a high temperature curing Nickel/Graphite fast flow conductive FIP gasket. With guaranteed adhesion strength and conductivity, it features fast flow rate by adjusting ingredients mixing ratio. High speed dispensing does not affect cross section shape.

Featured low hardness, good elasticity and low compression set, NYS-CURE® CG-8020 has good adhesion strength on metal and plastic surfaces. The product can be applied to optical transceivers, telecommunication base stations, radar equipment, handheld device and consumer electronics.



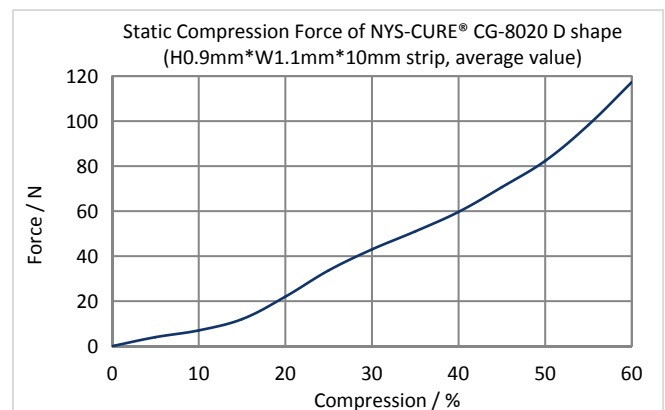
SPECIFICATIONS:

Typical Performance	NYS-CURE®CG-8020	Unit	Test Method
Color	Gray	-	目视
Resin System	Silicone	-	-
Filler	Ni/C	-	-
Volume Resistivity	0.03	Ohm-cm	MIL-DTL-83528C
Shielding Effectiveness	80	dB(200M-18G)	MIL-DTL-83528C
Hardness	60	Shore A	ASTM D2240
Density(after curing)	1.9	g/cm ³	ASTM D792
Compression Set	30	%	ASTM D395
Adhesion Strength	10	N/cm	QA-WI-054
Tensile Strength	150	PSI	ASTM D412
Elongation at Break	100	%	ASTM D412
Working Temperature	-50~+125	°C	ASTM D1329
Flammability Rating	V-0	-	UL 94(with Al plate)
Curing Mechanism	High Temp.	-	-
Curing Condition	150	°C	-
Curing Time	30	min	-
Storage Condition	-30°C~-10°C, 6 Months	-	-

FEATURES & BENEFITS:

- High flow rate, typical flow rate 113g/min (0.07" needle@0.5Mpa).
- Excellent EMI shielding effectiveness.
- Good thixotropy and adhesion.
- High temperature curing to ensure strong molecule cross links.
- 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.