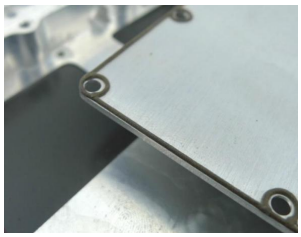
KLEBER

NYS-CURE® CG-8021 Ultra Soft Ni/C FIP Conductive Gasket

NYS-CURE® CG-8021, a Kleber proprietary product, is a high temperature curing Nickel/Graphite ultra soft conductive FIP gasket. With guaranteed adhesion strength and conductivity, it features fast flow rate by adjusting ingredients mixing ratio. Its surface is smooth and soft without the cross section shape deformed after curing.

Featured low hardness, good elasticity and low compression set, NYS-CURE ® CG-8021 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.



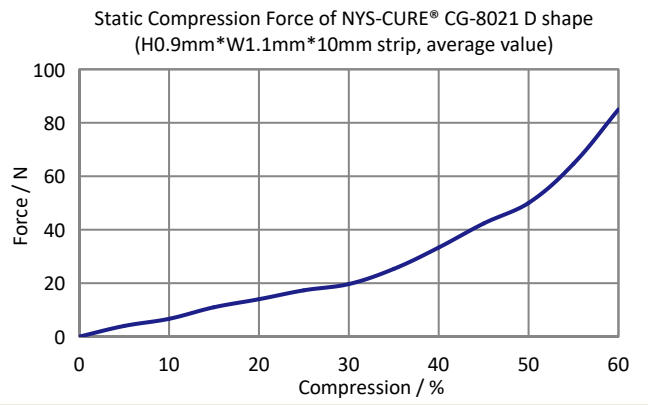
SPECIFICATIONS

Typical Performance	NYS-CURE®CG-8021	Unit	Test Method
Color	Gray	-	Visual
Resin System	Silicone	-	-
Filler	Ni/C	-	-
Volume Resistivity	0.04	Ohm-cm	MIL-DTL-83528C
Shielding Effectiveness	80	dB	MIL-DTL-83528C
Hardness	45	Shore A	ASTM D2240
Density(after curing)	1.9	g/cm³	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	℃	ASTM D1329
Flammability Rating	V-0	-	UL 94(with Al plate)
Curing Mechanism	High Temp.	-	-
Curing Condition	150	℃	-
Curing Time	30	min	-
Storage Condition	-30℃~-10℃, 6 Months	-	-

FEATURES & BENEFITS

- Ideal for high-speed dispensing.
- Low hardness and soft surface.
- Excellent EMI shielding effectiveness.
- 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 Kleber 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.Kleber 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 Kleber.