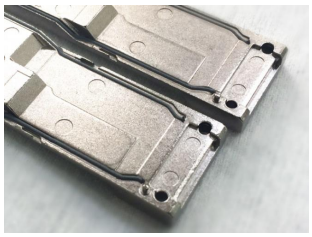
KLEBER

NYS-CURE® CG-8025R Ultra Soft Ni/C FIP Conductive Gasket



NYS-CURE® CG-8025R, a Kleber proprietary product, is a room temperature curing nickel/graphite-filled & small beads dispensing & ultra-soft silicone elastomer Form-In-Place gasket. With guaranteed adhesion strength and conductivity, it is extremely soft with reliable shielding effectiveness and room temperature cured.

Featured low hardness, small bead's dimension, good elasticity and low compression set, NYS-CURE® CG-8025R has good adhesion strength in small space on metal and plastic surfaces. The product can be applied to base stations, PDAs, PC cards, radios, mobile phones, as well as many other cast or plastic enclosures and packaged electronic assemblies.

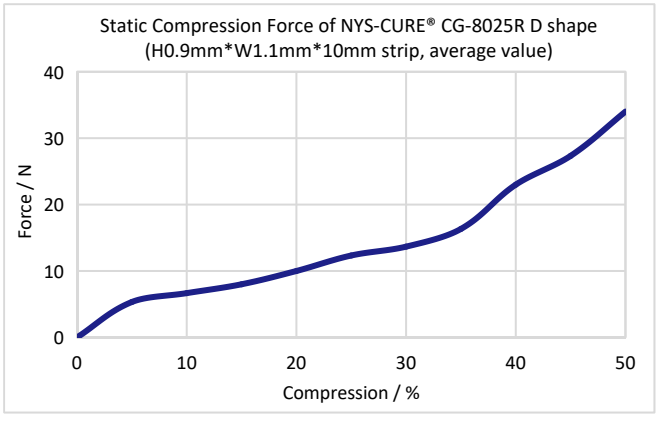
SPECIFICATIONS

Typical Performance	NYS-CURE®CG-8025R	Unit	Test Method
Color	Grey	-	Visual
Resin System	Silicone	-	-
Filler	Ni/C	-	-
Volume Resistivity	0.04	Ohm-cm	MIL-DTL-83528C
Shielding Effectiveness	90	dB (200M-18G)	MIL-DTL-83528C
Hardness	45	Shore A	ASTM D2240
Density	2.2	g/cm^3	ASTM D792
Compression Set	30	%	ASTM D395-B
Adhesion Strength	10	N/cm	QA-WI-054
Working Temperature	-50~+125	℃	ASTM D1329
Flammability Rating	V-0	-	UL 94(with Al plate)
Curing Mechanism	Moisture cure	-	-
Curing Condition	25	℃	-
Curing Time	24	H	-
Storage Condition	-30℃~-10℃, 3 Months	-	-

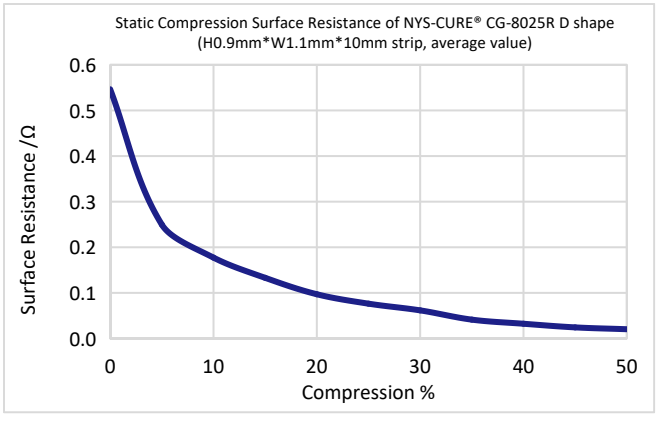
FEATURES & BENEFITS

- Used for small beads dispense, minimum bead's size is W0.4mm*h0.3mm. Especially suitable for the application of optical module.
- Excellent EMI shielding performance, > 90dB shielding effectiveness up to 40 GHz.
- Automated system for dispensing conductive elastomer EMI shielding and grounding gaskets onto metal or plastic substrates.
- Ultra soft and compressible, lower deflection force, excellent sealing.
- Direct application of gasket to component part reduce assembly and handling.
- Eliminate costly tooling and rapid prototyping.
- Minimizes material cost in comparison to die cut or molded gasket.

COMPRESSION-DEFLECTION CURVE



COMPRESSION-SURFACE RESISTANCE 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.