



*does not represent actual color

SNC45-RXP FORM-IN-PLACE

An Ultra-soft, nickel/graphite filled silicone elastomer Form-In-Place gasket material.

SNC45RXP is a Nickel/ Graphite filled silicone paste with very low hardness which contributes to relatively low compression force when it is used as dispensed gaskets in between of chassis and cover. It is also designed to be used under high compression rate up to 60% so that the gaskets can compensate large tolerance of substrates. It also has good shielding performance with balanced mechanical properties. This grade end in a very cost effective FIP solution through its low density and fast dispensing speed.

Laird's Form-In-Place is an automated system for dispensing conductive elastomer EMI shielding and grounding gaskets onto metal or plastic substrates. This product is particularly ideal for base stations, PDAs, PC cards, radios, mobile phones, as well as many other cast or plastic enclosures and packaged electronic assemblies.

All Laird Paste can be dispensed to triangle shape cross section directly.

TYPICAL VALUES

CATEGORIES	TEST METHOD	UNITS	SNC45-RXP
Elastomer			Silicone
Filler type			Nickel / Graphite
ELECTRICAL PROPERTIES			
Volume Resistivity		ohm-cm	0.04
Shielding Effectiveness	MIL-DTL-83528C		
200 MHz to 10 GHz	Para. 4.5.12	dB	>80
PHYSICAL PROPERTIES			
Hardness	ASTM D2240	Shore A	45
Density (cured)	ASTM D792	g/cm ³	1.8
Density (uncured)	LT-FIP-CLE-09	g/cm ³	1.6
Compression Set	ASTM D395	%	15
Adhesion Strength (Al)	LT-FIP-CLE-03		>150
Compression-Deflection^(a)	LT-FIP-CLE-07		
at 20% compression		lb/in	0.6
at 40% compression		lb/in	1.6
Compression Range			10-60%
Temperature Range		°C	-50°C to 125°C
UL Flammability Rating	UL94(between Al)		V0 (Pending)
CURING REQUIREMENTS			
Cure Conditions	15°C to 40°C, 50% relative humidity minimum		
Full Cure^(b)	24hours		

(a) Compression-deflection bead size 0.62mm (H) × 0.70mm (W)

(b) Time to effectively cure a bead will necessarily depend on individual conditions, including but not limited to bead size, shield size and weight, oven capacity, and oven ramp-rates.

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EMI-DS-SNC45-RXP 122215

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