

SNC45-RXP Form-In-Place

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

Laird Technologies introduces another product in the EMI Sentry family. These Form-In-Place pastes are extremely soft with reliable shielding effectiveness and room temperature cured.

Laird Technologies' 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.



*does not represent actual color

TYPICAL VALUES

	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
Temperature Range		°C	-50°C to 125°C
UL Flammability Rating	UL94(between Al)		V0
CURING REQUIREMENTS			
Cure Conditions			15°C to 40°C, 50% Rh
Full cure			24 hours

- (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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SNC45-RXP

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