

SIL25-RXP FORM-IN-PLACE

A single component, non-slump, high flexibility, room temperature silicone gasket material.



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

TYPICAL VALUES

CATEGORIES	TEST METHOD	UNITS	SIL25-RXP
Elastomer			Silicone
COLOR			White
PHYSICAL PROPERTIES			
Hardness	ASTM D2240	Shore A	25
Density (cured)	ASTM D792	g/cm ³	1.2
Tensile Strength	ASTM D412	MPa	4.5
Compression Set	ASTM D395	%	20
Adhesion Strength (AI)	LT-FIP-CLE-03		220
Compression-Deflection ^(a)	LT-FIP-CLE-07		
at 20% compression		lb/in	1.1
at 40% compression		lb/in	4.3
CURING REQUIREMENTS			
Time to skin @ 23°C, 50% RH		10 – 25 minutes	
Cure @ 23°C, 50% RH		12 hours per mm thick	

(a) Compression-deflection bead size 0.6mm (H) x 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-SIL25-RXP

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