



\*does not represent actual color

## SNN55-HXP Form-In-Place

SNN55-HXP is a high performance, form-in-place gasket material. The product itself is a heat-cure silicone elastomer, containing a significant volume of Ag coated Nickel particles. It is intended to be applied on metal, plated-metal, or conductive paint surface in a bead-form ranging from 0.5 to 2.0 mm in height.

### TYPICAL VALUES

	TEST METHOD	UNITS	SNN55-HXP
Elastomer			Silicone
Filler type			Silver/Nickle
<b>ELECTRICAL PROPERTIES</b>			
Volume Resistivity		ohm-cm	0.04
Shielding Effectiveness	MIL-DTL-83528C		
200 MHz to 10 GHz	Para. 4.5.12	dB	>90
<b>PHYSICAL PROPERTIES</b>			
Hardness	ASTM D2240	Shore A	55
Density (cured)	ASTM D792	g/cm <sup>3</sup>	3.1
Density (uncured)	LT-FIP-CLE-09	g/cm <sup>3</sup>	3.0
Compression Set	ASTM D395	%	15
Adhesion Strength (Al)	LT-FIP-CLE-03		>240
Compression-Deflexion (a)	LT-FIP-CLE-07		
at 20% compression		lb/in	6.8
at 40% compression		lb/in	20.8
Temperature Range		°C	-50°C to 150°C
UL Flammability Rating	UL94(between Al)		V0
<b>CURING REQUIREMENTS</b>			
Cure Conditions		100°C minimum	
Curing time at 100°C	LT-FIP-CLE-14		4hour
(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.		

USA: +1.866.928.8181  
Europe: +49.0.8031.2460.0  
Asia: +86.755.2714.1166

[www.lairdtech.com](http://www.lairdtech.com)



### SNN55-HXP

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies' Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2009 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trade marks or registered trade marks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.