

**SIL35-HXP FORM-IN-PLACE**

A non-slump, single component, high flexibility, thermally curable silicone rubber.



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	SIL35-HXP
<b>Elastomer</b>			Silicone
<b>COLOR</b>			Transparent
<b>PHYSICAL PROPERTIES</b>			
<b>Hardness</b>	ASTM D2240	Shore A	35
<b>Density (cured)</b>	ASTM D792	g/cm <sup>3</sup>	1.2
<b>Tensile Strength</b>	ASTM D412	MPa	4.5
<b>Compression Set</b>	ASTM D395	%	20
<b>Adhesion Strength (AI)</b>	LT-FIP-CLE-03		285
<b>Compression-Deflection (a)</b>	LT-FIP-CLE-07		
<b>at 20% compression</b>		lb/in	4.1
<b>at 40% compression</b>		lb/in	11.7
<b>CURING REQUIREMENTS</b>			
<b>Minimum Temperature</b>		120°C	
<b>125°C, One Hour</b>		Full Cure	

(a) Compression-deflection bead size 0.6mm (H) x 0.7mm (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-SIL35-HXP

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