

## Electrolube® LGF400

### 液态导热填缝剂

#### 概述

**Electrolube® LGF400** 是一款双组分现场固化硅酮基液态填缝剂，堆积导热率为 4W/m-K。该材料的剪切稀化特性使得 LGF400 非常适合于自动点胶。点胶后，材料不会塌陷，具有良好的表面粘附性，从而简化处理过程。固化前，LGF400 具有很高的保形性，因此是填充空隙和确保出色润湿效果的理想解决方案。该材料既可在室温下固化，也可通过加热快速完成固化。固化后形成一种柔软、完全固化的弹性体，留在原位且不会与界面分离。

请在使用本产品前详细阅读技术数据说明书

#### 特性与优点

- 导热率为 4 W/m-K；有助于在不平整表面上快速传热
- 室温下固化
- 软固化硬度为 65 Shore 00
- 无界面分离风险
- 可以在不需施加应力，适应各种不同机械结构

#### 认证

标准	状态
符合 RoHS 要求 (2015/863/EU)	是

#### 产品信息

##### 标准包装尺寸

双筒装:	50、200 和 400 mL
筒装套装:	1200 mL (2 x 600 mL)
桶装套装:	16 L (2 x 8 L)

**典型属性**

材料属性	结果	单位	测试方法
颜色: A 部分	白色	-	目视
颜色: B 部分	蓝色	-	目视
混合色	蓝色	-	目视
树脂基	硅酮	-	-
混合粘度: 20 rpm	60	Pa-s	螺旋式粘度计
密度	3.0	g/ml	ASTM D1475
固化硬度	65	Shore 00	ASTM D2240
硅氧烷含量	<100	ppm	-
工作温度范围	-50 至 +200	° C	-
可燃性	符合 V-0		UL94
<b>电气属性</b>			
介电强度	>10	kV/mm	ASTM D149
<b>热性能</b>			
导热率	4.0	W/m-K	ASTM D5470
<b>固化属性</b>			
混合比	1:1		
完全固化: 25 ° C <sup>1</sup>	24	小时	ASTM D2240
完全固化: 100 ° C	30	分钟	ASTM D2240
混合后可使用时间 <sup>2</sup>	60	分钟	
<sup>1</sup> 5 小时后手感干燥 <sup>2</sup> 粘度增加一倍的时间			

**应用指南**

使用前确保表面清洁、干燥、无油脂和灰尘。固化剂和增塑剂等材料会抑制硅酮化合物固化。这些化学品包括：

- 有机锡和其他有机金属化合物。
- 含有有机锡催化剂的硅酮橡胶。
- 硫和其他含硫材料、胺、聚氨酯或含胺材料。
- 不饱和碳氢化合物增塑剂。

**附加信息**

**清洁：** 可使用经认可的溶剂去除 LGF400，例如 IPA 等。

**储存：** 保持盖子密封，并在室温下存放。

**保质期：** 9 个月

**安全&警告**

建议贵公司产线操作员工在使用产品之前阅读并回顾产品安全技术说明书中关于健康和**安全警告**部分。**相关产品安全技术说明书可提供。**

**联络资讯**

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

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE . . . Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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