

TECHNICAL DATA SHEET

UFC2969 A/B ELECTRICALLY CONDUCTIVE EPOXY SYSTEM

UFC2969 A/B 电导型环氧树脂技术信息表

UFC2969 is a thixotropic, high strength epoxy adhesive with good physical strength and high electrical conductivity. This material is designed where hot solder applications are impractical or on parts which cannot be subjected to heat. UFC2969 is also effective as a shielding material.

UFC2969 是一种触变型高强度树脂粘合剂，具有良好物理特性和高导电性。该树脂特别适用于高温焊接或者其他高温条件下都不能达到的环境中操作，也用作屏蔽材料。

Instructions for Use 使用说明

Surfaces should be clean and free of markings using methods and solvents suitable to the substrates being bonded. Additional surface prep may be necessary.

胶合表面应清洁，无溶剂使用过的痕迹。如有必要，可使用表面附加物。

Handling Properties, Typical 工艺特性

Cure Schedule: 24 hours (25°C) or 4 hours (65°C) or 1 hour (100°C)

固化时间:

Mix Ratio (by weight A:B): 100:50

混合比 (按重量 A:B)

Mix Ratio (by volume A:B): 2:1

混合比 (按体积 A:B)

Color: Part A: silver

颜色 A 组

Part B: silver

B 组

Mixed: silver

混合

Pot Life, 150 grams @ 77°F: 45-50 minutes

适用时间 (150g, 77°F)

Gel Time, 100 gram @ 77°F: 60 minutes

胶化时间 (150g, 77°F)

Shelf Life from date of shipment (DOS): 6 months

保质期 (自运输时间开始)

Specific Gravity (typical): A:2.00, B:2.00

比重

Viscosity @ 77°F (cps): thixotropic

A 组粘度 (77°F, 厘帕斯卡·秒):

SPI classification: A: 2; B:3

SPI 分类 (美国塑料工业协会)

Flash point: >200°F

闪点

Flammable under 100°F: A: No
100°F 易燃
Combustible 100-200°F: A: No
100-200°F 易燃
Corrosive: A: No
腐蚀性
Freight Class: A:1; B:2
运输等级

Physical Properties, Typical Cured Performance 物理特性/固化性能

Shore Hardness, D: 70+

肖氏硬度

Ideal Bondline Thickness, inches: 0.002” to 0.015”

胶层理想厚度

Lap Shear Strength, Typical, Aluminum: >2000psi

剪切强度 (铝)

Thermal Conductivity (BTU)(in)(hr)(ft)(°F)(cal)(em)/(sec)(cm²): 50

热导性

Glass Transition (Tg): 55°F

玻璃化温度

Volume Resistivity @23°F max: 4E-3 ohm-em

体积电阻

NASA Outgassing per ASTM E-595-93

释气率 (根据美国航空航天局规定条例 ASTM E-595-93)

Avg. TML (平均总质量损失率): 0.21%

Avg. WVR (平均水蒸气收集率): 0.05%

Avg. CVCM (平均挥发性冷凝物收集率): 0.00%

SAFETY INFORMATION: See Materials Safety Data Sheet for UFC2969 A&B for proper storage and handling.

储存及工艺安全信息请另参考《材料安全数据 UFC2969 A/B》