

Hecaro[®] 光伏导电胶

Hecaro[®] - Electrically Conductive Adhesive for PV

贺利氏是汽车和半导体行业历史悠久的导电胶供应商。如今，随着最新开发的光伏行业用 Hecaro[®] 新型导电胶 (ECA) 的问世，贺利氏成功延续了这一优良传统。该导电胶是一种高性价比、高可靠性、快速固化并可应用于丝网印刷的材料，可轻松满足光伏行业的苛刻要求。Hecaro[®] 采用独一无二的专利纯银颗粒，导电性能极佳，同时其粘度和固化时间也非常理想，完全适合高速大规模生产。人工气候箱试验证明，Hecaro[®] 具有出色的长期可靠性并取得了 TÜV 认证。



Heraeus' newly developed electrically conductive adhesive (ECA) for PV applications - Hecaro[®] - resumes Heraeus' long tradition in providing ECAs to the automotive and semiconductor industry. Hecaro[®] is the answer to the PV industry's need for a reliable, cost-effective, fast curing and screen-printable material. Using a unique and patented set of pure Ag particles, Hecaro[®] provides excellent conductivity while viscosity and curing time allow for high-throughput processing. Hecaro[®] has proven its reliability in long-term climate chamber and got TÜV certification.

SC10 系列 环氧体系 SC10 series Epoxy system

产品特征: 低电阻, 高可靠性, 优异的长期印刷性, 适用于 300nm/s 的印刷速度

Product feature: Low resistivity, high reliability, excellent long term printability, can reach print speed at 300nm/s

体积电阻 ($\Omega \cdot \text{CM}$): $2 \cdot 10^{-4}$

粘接强度 (N/mm^2): 6

弹性模量 25°C (Mpa): 1000

Volume resistivity ($\Omega \cdot \text{CM}$): $2 \cdot 10^{-4}$

Shear strength (N/mm^2): 6

E-modulus 25°C (Mpa): 1000

固化条件: 180°C >30S

应用: 叠瓦组件丝网印刷, 点胶

Curing condition: 180°C >30S

Application: Printing and jetting for shingled module

SC20 系列 有机硅体系 SC20 series Silicone system

产品特征: 无溶剂, 高柔性及延展性, 易返修, 适用于 300mm/s 的印刷速度

Product feature: Solvent free, flexible, high elongation, easy for rework, can reach print speed at 300nm/s

体积电阻 ($\Omega \cdot \text{CM}$): $5 \cdot 10^{-4}$

粘接强度 (N/mm^2): 1.5

弹性模量 25°C (Mpa): 50

Volume resistivity ($\Omega \cdot \text{CM}$): $5 \cdot 10^{-4}$

Shear strength (N/mm^2): 1.5

E-modulus 25°C (Mpa): 50

固化条件: 180°C >30S

应用: 叠瓦组件丝网印刷, 点胶

Curing condition: 180°C >30S

Application: Printing and jetting for shingled module

SC30 系列 丙烯酸体系 SC30 series Acrylic system

产品特征: 低电阻, 高可靠性, 高柔性, 优异的长期印刷性, 适用于 300mm/s 的印刷速度

Product feature: Low resistivity, high reliability, flexible, can reach print speed at 300nm/s

体积电阻 ($\Omega \cdot \text{CM}$): $2 \cdot 10^{-4}$

粘接强度 (N/mm^2): 8

弹性模量 25°C (Mpa): 100

Volume resistivity ($\Omega \cdot \text{CM}$): $2 \cdot 10^{-4}$

Shear strength (N/mm^2): 8

E-modulus 25°C (Mpa): 100

固化条件: 180°C >30S

应用: 叠瓦组件丝网印刷, 点胶

Curing condition: 180°C >30S

Application: Printing and jetting for shingled module

建议使用条件:

- 导电胶需储藏在 -20 度的冷冻设备中。
Store in a freezer at or below -20° C
- 使用前请充分搅拌。
Stir well before using
- 在打开容器前, 让导电胶恢复室温, 避免发生冷凝现象。
Allow adhesive to come to room temperature prior to opening the container to avoid condensation



已取得 TÜV 莱茵单玻组件和双玻组件的认证
Hecaro[®] has been certified TÜV
Rheinland standard and bifacial modules