

U-Cure 9545

纯丙烯酸树脂 / Pure Acrylic Resin

二官能团纯丙烯酸树脂 / Difunctional Pure Acrylic Resin

KASTER

Innovation in Polymer Chemistry

昆山卡斯特高分子材料有限公司

技术资料表 Technical Data Sheet (TDS)

1 产品介绍 Product Introduction

U-Cure 9545 是一款二官能团纯丙烯酸树脂。该产品特别设计用于需要极高附着力和快速固化的涂料体系，同时具有优异的坚韧性。

U-Cure 9545 is a difunctional pure acrylic resin. It is specifically designed for coating systems requiring excellent adhesion and fast curing speed, while offering outstanding toughness.

2 理化指标 Physical Properties

性能参数 Properties	典型指标 Typical Value	测试标准 Standard
外观 Appearance	透明澄清液体 / Clear Liquid	Visual
色数 Color (Gardner)	≤ 1	ASTM D1544
粘度 Viscosity (cps @ 25°C)	18,000 - 28,000	ASTM D2196
NCO 残存 NCO Content (%)	< 0.2	—
官能度 Functionality	2	Theoretical
固含量 Solid Content (%)	100%	GB/T 1725

3 核心特性 Key Product Features

- 附着力优异 (Excellent Adhesion)**
对多种塑胶及金属底材具有出色的抓合力。
Exceptional bonding strength to various plastic and metal substrates.
- 反应速度快 (Fast Curing Speed)**
在 UV 照射下具有极高的反应活性，可实现低能量固化。
High reactivity under UV radiation, enabling low-energy curing.
- 坚韧性佳 (Good Toughness)**
固化膜层坚韧，具有良好的抗冲击性能。
Tough cured film with good impact resistance.
- 低气味 (Low Odor)**
施工环境友好，挥发性气味极低。
Environmentally friendly during application with very low volatile odor.

4 建议应用 Product Applications

- 塑胶漆与金属涂料 (Plastic & Metal Coatings)**
用于电子产品、汽车内饰等塑胶件或金属件的表面涂装。
Surface coating for plastic or metal parts in electronics, automotive interiors, etc.

- **甲油胶 (Nail Polish Gel)**

适用于甲油胶底胶及一步胶体系，提供持久的附着力。

Suitable for nail gel base coats and one-step gel systems, providing long-lasting adhesion.

5 常见问题解答 Q&A

Q: U-Cure 9545 的主要稀释建议是什么？ (Dilution suggestions?)

A: 建议使用单官能或多官能丙烯酸酯单体进行稀释以调节粘度。

It is recommended to use mono- or multi-functional acrylate monomers for dilution to adjust viscosity.

6 储存与安全 Storage and Safety

- **储存 (Storage):** 应该存放于合适的密封容器中，并置于温度在 $-10-35^{\circ}\text{C}$ 的阴暗环境中储存。在此条件下，本品可保持稳定至少 12 个月。

Should be stored in suitable sealed containers in a dark environment at $-10-35^{\circ}\text{C}$. Stable for at least 12 months under these conditions.

- **安全 (Safety):** 本品对眼睛有刺激性；对水生生物有毒，可能对水生态环境导致长期的不利影响。操作请佩戴个人防护装备，详见 SDS。

Irritating to eyes; toxic to aquatic life with long-lasting effects. Wear PPE during operation; refer to SDS for details.

联系方式 Contact Information

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