U-Cure 9253

改性环氧二丙烯酸酯树脂

Modified Epoxy Diacrylate 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 9253 是一种高性能的改性环氧二丙烯酸酯树脂。该树脂专门设计用于高性能涂料领域，在保持环氧树脂固有高模量、高硬度优势的同时，显著提升了施工流平性能和对底材的附着力。

U-Cure 9253 is a high-performance modified epoxy diacrylate resin designed for high-performance coatings, significantly improving leveling and adhesion while maintaining the inherent high modulus and hardness of epoxy resins.

2　核心特性 Key Product Features

- **优异的流平性 (Superior Leveling)**
  相比其它改性环氧树脂，具有更卓越的流平能力，能够获得平整度极佳、高光泽的漆膜表面。
  Features superior leveling properties compared to other modified epoxy resins, providing a smooth, high-gloss film surface.
- **附着力佳 (Excellent Adhesion)**
  对多种塑胶（如*ABS*、*PC*）及金属底材具有优异的附着性能。
  Excellent adhesion performance to various plastic (ABS, PC) and metal substrates.
- **坚韧性好 (Good Toughness)**
  固化后的膜层具备良好的柔韧性与硬度的平衡，不易脆裂。
  Balanced flexibility and hardness in the cured film, offering excellent resistance to brittleness.

3　物理及力学特性 Physical Properties

性能参数 Properties	典型指标 Typical Value	测试标准 Standard
外观 Appearance	澄清透明液体 / Clear Liquid	Visual
色数 Color (Gardner)	≤ 1	ASTM D1544
粘度 Viscosity (cps @ 25°C)	6,000 - 8,000	ASTM D2196
官能度 Functionality	2	Theoretical
固含量 Solid Content (%)	100	Theoretical
酸值 Acid Value (mg KOH/g)	≤ 5	ASTM D974

4　建议应用 Product Applications

- **真空电镀底漆 (Vacuum Plating Primer)**
  作为底漆使用，相比其它改性环氧树脂具有卓越的流平性，能有效弥补底材缺陷，确保镀层表面的高度平滑与镜面效果。
  Used as a primer, it offers superior leveling compared to other modified epoxies, ensuring excellent surface smoothness and mirror-like finishes for plating.

- **木器及塑胶UV涂料 (Wood & Plastic UV Coatings)**
  提升涂层的丰满度与附着力稳定性。
  Improves the fullness and adhesion stability of the coating system.
- **油墨与金属涂料 (Inks & Metal Coatings)**
  适用于高性能工业油墨及金属涂料，主要作用是提供优异的附着力，增强涂层的抗脱落性能。
  Suitable for high-performance industrial inks and metal coatings, primarily serving to provide excellent adhesion and enhance peeling resistance.

5 常见问题解答 Q&A

Q: 为什么在真空电镀中推荐使用 U-Cure 9253? (Why is U-Cure 9253 recommended for vacuum plating?)

A: 因为它在同类改性环氧中流平性最为突出，作为底漆能为后续电镀层提供最理想的平整表面，从而大幅提升产品外观良率。
It offers the most outstanding leveling among similar modified epoxies, providing the ideal smooth surface for plating and significantly improving appearance yield.

6 储存与安全 Storage and Safety

- **储存 (Storage)**: 应存放于阴暗、通风环境，建议温度为 *-10°C* 至 *35°C*。在此条件下有效期为 *12* 个月。
  Store in a cool, dark, ventilated environment (-10°C to 35°C). Shelf life is 12 months.
- **包装 (Packaging)**: 标准包装为 *200kg/*桶。
  Standard packaging: 200kg/drum.
- **安全 (Safety)**: 本品对眼睛有刺激性。请务必参阅 *SDS* 了解详细的防护及毒理信息。
  Irritating to eyes. Please refer to the Safety Data Sheet (SDS) for detailed safety info.

联系方式 Contact Information

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