

U-Cure 9261M

改性环氧二丙烯酸酯树脂 / Modified Epoxy Diacrylate

Modified Epoxy Diacrylate Resin

技术资料表 Technical Data Sheet (TDS)

1 产品介绍 Product Introduction

U-Cure 9261M 是一款经过特殊改性的环氧二丙烯酸酯树脂。它在保留了传统环氧丙烯酸酯高反应活性和优异硬度的基础上，显著提升了柔韧性与附着力，旨在解决涂层在复杂基材上的脆裂及掉漆问题。

U-Cure 9261M is a modified epoxy diacrylate resin. It maintains the high reactivity and hardness of traditional epoxy acrylates while significantly enhancing flexibility and adhesion, designed to resolve brittleness and delamination issues on complex substrates.

2 核心特性 Key Product Features

- 高柔韧性 (Good Flexibility)**
有效改善传统环氧树脂的脆性，提升抗冲击性能。
Improves the brittleness of traditional epoxy resins and enhances impact resistance.
- 附着力优异 (Excellent Adhesion)**
对塑胶、金属、玻璃等多种难粘基材具有极强的结合力。
Strong bonding strength to various difficult substrates such as plastics, metals, and glass.
- 耐黄变性好 (Good Yellowing Resistance)**
在长期光照环境下保持良好的色彩稳定性。
Maintains excellent color stability under long-term light exposure.
- 优异的耐化耐水性 (Chemical and Water Resistance)**
固化后具有良好的抗化学品侵蚀及卓越的防水性能。
Displays good resistance to chemical erosion and superior water resistance after curing.

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)	75,000 - 85,000	ASTM D2196
官能度 Functionality	2	Theoretical
固含量 Solid Content (%)	100%	GB/T 1725
酸值 Acid Value (mgKOH/g)	< 3	ASTM D974

4 建议应用 Product Applications

- **玻璃涂料 (Glass Coatings)**
提供卓越的玻璃基材附着力及耐水性能。
Provides excellent adhesion to glass substrates and superior water resistance.
- **金属涂料 (Metal Coatings)**
用于金属表面的高性能防护，具有优异的柔韧性和防腐性。
High-performance protection for metal surfaces with excellent flexibility and corrosion resistance.
- **UV 胶粘剂 (UV Adhesives)**
作为结构胶或密封胶的主体树脂，提供高强度和韧性。
Used as a base resin for structural or sealing adhesives, providing high strength and toughness.
- **真空电镀底漆 (Vacuum Plating Basecoats)**
作为底漆提供优异的层间结合力，改善电镀层的外观稳定性。
Used as a basecoat to provide excellent interlayer adhesion and improve the appearance stability of the plated layer.

5 常见问题解答 Q&A

Q: 为什么 9261M 相比普通环氧丙烯酸酯具有更好的柔韧性？
(Why does 9261M have better flexibility than standard epoxy acrylates?)

A: 通过分子链段的改性引入了弹性骨架，从而在保持官能度的同时有效降低了固化交联密度产生的内应力。

The introduction of elastic segments into the molecular chain effectively reduces internal stress caused by cross-linking density while maintaining functionality.

6 储存与安全 Storage and Safety

- **储存 (Storage):** 应存放于合适的密封容器中，并置于温度为 -10至35°C 的阴暗通风环境中。在此条件下，保质期为 12 个月。
Store in suitable sealed containers in a dark, ventilated environment at -10 to 35°C. Shelf life is 12 months.
- **包装 (Packaging):** 净重 220kg/桶。
Net weight 220kg/drum.
- **安全 (Safety):** 本品对眼睛有刺激性，对水生生物有毒。使用前请仔细阅读安全数据表 (SDS) 以获取更多标签、运输和生态相关资料。
Irritating to eyes and toxic to aquatic life. Read the Safety Data Sheet (SDS) carefully before use.

联系方式 Contact Information

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