U-Cure 9367

聚氨酯丙烯酸酯 / Polyurethane Acrylate

双官能团脂肪族聚氨酯丙烯酸酯 / *Difunctional Aliphatic Polyurethane Acrylate*

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 9367 是一款双官能团的脂肪族聚氨酯丙烯酸酯低聚物。该产品具有优异的化学稳定性，表现出极佳的耐候性、抗高温黄变性能以及卓越的耐水解稳定性，适用于对环境耐久性要求极高的涂料及胶粘剂系统。

U-Cure 9367 is a difunctional aliphatic polyurethane acrylate oligomer. It offers excellent chemical stability, exhibiting superior weatherability, high-temperature yellowing resistance, and outstanding hydrolysis stability, suitable for coatings and adhesives demanding extreme environmental durability.

2　物理及力学特性 Physical & Mechanical Properties

性能参数 Properties	典型指标 Typical Value	测试标准 Standard
外观 Appearance	清澈透明液体 / Clear Liquid	Visual
粘度 Viscosity (cps @ 60°C)	2000 - 6000	ASTM D2196
官能度 Functionality	2	Theoretical
绍氏硬度 Shore Hardness	84D	ASTM D2240
拉伸强度 Tensile Strength	7 MPa	ASTM D638
断裂伸长率 Elongation	40%	ASTM D638

3　核心特性 Key Product Features

- **优异的耐水解性 (Excellent Hydrolysis Resistance)**
  在潮湿或高温水浴环境下表现出极高的化学稳定性，不易发生骨架降解。
  Exhibits high chemical stability in humid or high-temperature water bath environments, resisting backbone degradation.
- **耐候性优异 (Excellent Weatherability)**
  脂肪族结构赋予其长效的户外稳定性，抗紫外线性能强。
  Aliphatic structure provides long-term outdoor stability and strong UV resistance.
- **高温耐黄变 (High-Temperature Yellowing Resistance)**
  在高温加工或长期受热环境下仍能保持极低的色泽变化。
  Maintains minimal color change even under high-temperature processing or long-term heat exposure.

4 建议应用 Product Applications

- **高温 UV 结构胶 (High-Temperature UV Structural Adhesives)**
  适用于对耐温性有严苛要求的电子元器件组装及工业结构粘接。
  Suitable for electronic component assembly and industrial structural bonding with strict temperature resistance requirements.
- **塑胶与金属涂料 (Plastic & Metal Coatings)**
  用于电子产品外壳涂料，提供良好的防护与外观稳定性。
  Used for electronic housing coatings, providing protection and visual stability.
- **户外防护漆 (Outdoor Protective Coatings)**
  适用于需要长期暴露在阳光与潮湿环境下的工业器材。
  Suitable for industrial equipment requiring long-term exposure to sunlight and moisture.

5 常见问题解答 Q&A

Q: U-Cure 9367 的耐水解优势体现在哪里？ (What is the advantage of its hydrolysis resistance?)

A: 相比普通的聚氨酯丙烯酸酯，它在湿热老化测试后能更好地保持机械强度和附着力。
Compared to general PUA, it better retains mechanical strength and adhesion after heat and humidity aging tests.

6 储存与安全 Storage and Safety

- **储存 (Storage)***:* 建议密封避光存放于 *35°C* 以下。保质期为 *12* 个月。
  Recommended to store in sealed, light-proof containers below 35°C. Shelf life is 12 months.
- **安全 (Safety)***:* 操作请佩戴个人防护装备，详见 *SDS*。
  Wear personal protective equipment. Refer to SDS for details.

联系方式 Contact Information

昆山卡斯特高分子材料有限公司　Kunshan Kaster Polymer Co., Ltd.
地址：江苏省昆山市玉山镇祖冲之路 1666 号清华科技园
Tel: 0512-50137234　Web: www.kasterchem.com