

ALIPHATIC URETHANE DIACRYLATE/2-EHA BLEND

INTRODUCTION

EBECRYL® 232 is an aliphatic urethane diacrylate blended with 20% by weight 2-Ethylhexyl acrylate (2-EHA). Films of EBECRYL® 232 cured by radical polymerization are very flexible, low Tg and resistant to yellowing. EBECRYL® 232 is often used as a modifier to improve the flexibility and adhesion of radical cured polymers.

PERFORMANCE HIGHLIGHTS

EBECRYL® 232 is characterized by:

- Light color
- Low viscosity

Cured products containing EBECRYL® 232 are characterized by the following performance properties:

- Improved flexibility
- Reduced Tg
- Adhesion
- Reduced yellowing

The actual properties of the cured product also depend on the selection of other formulation components such as reactive diluents, additives and initiators.

SUGGESTED APPLICATIONS

EBECRYL® 232 is recommended for use in:

- Increasing flexibility and adhesion of radical cured polymers
- Laminating adhesives

TYPICAL PHYSICAL PROPERTIES

| | |
|------------------------------------|--------------|
| Appearance | Clear liquid |
| Color, Apha | max. 50 |
| Density, g/cm ³ at 25°C | 0.99 |
| Functionality, theoretical | 2 |
| 2-EHA, % by weight | 20 |
| Oligomer, % by weight | 80 |
| Viscosity, 25°C, mPa.s | ~3600 |

PRECAUTIONS

Before using EBECRYL® 232, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE AND HANDLING

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. This might cause uncontrollable polymerization of the product with the generation of heat. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Procedures that remove or displace oxygen from the material should be avoided. Do not store this material under an oxygen free atmosphere. Dry air is recommended to displace material removed from the container.