

**LUMICRYL® 245
UV/EB CURABLE RESIN
FOR ENERGY CURABLE COATINGS**

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THE EDGE OF INNOVATION

GENERAL DESCRIPTION

Lumicryl® 245 is a UV/EB-curable acrylic macromer suitable for formulating protective coatings and inks for in-mold decorating, transfer laminate and thermal transfer applications. A key attribute of Lumicryl 245 is its capability to undergo a physical drying step prior to UV curing. Properly formulated coatings will dry to a tack-free, dry-to-touch state after the solvent is flashed off. After UV curing, the coatings and inks will have excellent abrasion and chemical resistance.

Coatings utilizing Lumicryl® 245 may be applied using conventional application equipment such as roller, spray, flexo, gravure, screen et al. The dried, but uncured coating remains thermoplastic and can undergo intermediate processing such as molding, forming, transfer laminating, thermal transfer, sanding, and re-coat prior to UV curing. Photoinitiator is required to achieve optimal UV-cured film properties.

TYPICAL PROPERTIES*

Solids	27 - 29%
Solvents	71 - 73% n-propyl acetate
Viscosity	25 - 50 cps
APHA Color	100 Max
Specific Gravity	0.95 - 1.0 at 25°C

* Not to be used for specification purposes

REGULATORY LISTINGS

The components in this material are either listed or exempt from listing due to polymer exemption criteria for the following inventories: AICS (Australia), DSL (Canada), NZIoC (New Zealand), TSCA (USA).

One or more components of this product are not REACH registered. Import quantities may be subject to limitation.

PACKAGING (NET WEIGHT)

40 lb. / 18.1 kg in steel pail

400 lb. / 181.4 kg in steel drum

PRODUCT AVAILABILITY

This product is currently experimental and commercial quantities may require lead time.

STORAGE AND HANDLING

Store unopened containers of Lumicryl® 245 at or below 25°C (77°F) away from direct sunlight, ignition sources, and heat sources. Maintain an adequate air headspace in the product container and do not blanket or mix with inert gas as this may render the inhibitor ineffective. Use within 12 months of delivery. Properly stored material may have a longer useful shelf life, but Estron's warranty period is 12 months from date of shipment. Unexpected or uncontrolled temperature excursions during shipping, transit storage, and final storage may adversely affect useful shelf life and is beyond the manufacturer's control or responsibility.

CONTACT INFORMATION

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TDS Revised by: D. Smith

TDS Approved by: F. Allen

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