

**POLYTEX E-100
RESIN MODIFIER
FOR THE COATINGS INDUSTRY**

www.estrone.com



THE EDGE OF INNOVATION

GENERAL DESCRIPTION

Polytex E-100 is a tosylamide resin modifier for use in lacquers, inks, adhesives and UV curable coatings. Polytex E-100 enhances gloss, DOI (Distinctness of Image), adhesion to numerous substrates, compatibility and overall coating durability.

Polytex E-100 has excellent compatibility with most commercial polymeric binders, pigments and plasticizers. Solutions of Polytex E-100 have a low viscosity, and offer the advantage of formulating high-solids lacquers. Polytex E-100 is soluble in ketones, esters, and a variety of acrylic monomers and diluents for UV applications. Its excellent solubility in glycol ethers makes the product useful in water-based formulations. Polytex E-100 is insoluble in aliphatics, affording resistance to oil, grease and gasoline.

The recommended level of usage in inks, lacquers and coatings is 5-15% of the total formulation. In adhesives formulations, it can be used at levels of up to 30%. In adhesives, Polytex E-100 improves bonding between substrates such as cellophane and aluminum foils, to themselves, and to paper. Bond strengths are maintained at temperatures of up to 60°C (140°F), dependent upon the specific formulation.

Polytex E-100 tosylamide resin is available in butyl acetate solution as Polytex E-75. Polytex E-100 also can be supplied as a granulated solid designated Polytex E-100G. Polytex E-100G may sinter during storage or shipment particularly at elevated ambient temperatures, and is therefore available only by special request.

TYPICAL PROPERTIES*

Appearance	Clear Solid Resin
Gardner Color	2 maximum
Clarity	Clear
Softening Point, RING & BALL	70°C minimum
Acid value, mg KOH / gram	1 maximum

* Not to be used for specification purposes

APPLICATIONS

Intumescent coatings
Fluorescent pigment, dye and lacquer preparations
Aerosol lacquers
Air Dry lacquers
Pigment pastes & concentrates

Label coatings
Flexographic inks
Hot dipping lacquers
Gel dipping lacquers
Pressure-sensitive adhesives

QUANTITY OF POLYTEX E-75 WHICH CAN BE USED IN COMBINATION WITH THE FOLLOWING RESINS (on % solids/solids basis)

PVC	15	Nitrocellulose	100	Acrylics	25	Phenolics	50
Polyvinylacetate	50	Ethylcellulose	75	Casein	25	Alkyd	25
Polyvinylbutyral	50	Cellulose acetate	25	Shellac	25	Melamine	25
Polyvinylidenechloride	25	CAB	50	Polyester	20	Neoprene	50
Polystyrene	10	CAP	50	Epoxy	100	Polyamide	50

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REGULATORY LISTINGS

The components in this material are listed in the following chemical listing inventories: AICS (Australia), EINECS (Europe), NDSL (Canada), NZIoC (New Zealand), TSCA (USA)

PACKAGING (NET WEIGHT)

55 lb. / 25 kg in steel pail
345 lb. / 156.5 kg in lined fiber drum

PRODUCT AVAILABILITY

This product is commercially available and may require lead time.

STORAGE AND HANDLING

Store in a dry, cool area and avoid excessive heat. Shelf life of unopened containers is one year from date of shipment. See SDS for additional information.

CONTACT INFORMATION

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TDS Revised by: A. Buckhalter

TDS Approved by: F. Allen