



TM

Issue No. 01**Revision No. 00****Issue Date: 01 APRIL 2012****Revision Date: N/A**

Product Name : PU Resin**Grade: PUR-S1230/LIB****Category: Solution / Binder****Product Type: Polyester**

DESCRIPTION

bluthane PUR-S1230 / LIB is a film forming, and a non-reactive thermoplastic polyurethane with a special polyester based aliphatic urethane chemistry. The dry film of the resin is very soft , flexible and has excellent elasticity and transparency. It has a good balance of toughness and flexibility and good hydrolytic stability due to its special polyester chemistry.

The resin is designed for formulating gravure liquid lamination inks where it is used as the main binder or as a co-binder for the colour pigments, and also can be formulated for 2K coatings. The specially designed resin provides good adhesion to a variety of plastic films used in flexible packaging industry. The resin is soluble alone in aliphatic ester solvents, and aliphatic alcohols can be used as a cosolvent up to 20 %, and hence can also be suitable for flexographic applications.

bluthane PUR-S1230 / LIB has fairly good blocking resistance and heat resistance. The resin has very good solvent release properties and resolubility. It can be crosslinked with poly isocyanate crosslinkers for 2-K coatings. To increase the adhesion to non-polar film substrates use of a suitable adhesion promoter is suggested.

CHARACTERISTICS

Fast drying
Odourless film
Excellent film former/ High Tensile strength
Non- yellowing
Good pigment watability & dispersion
Moderate blocking resistance
Adequate heat resistance
Compatible to NC/ Vinyls

SPECIFICATIONS

Colour : Colourless to light yellow liquid
Solids: 29-31%
Viscosity : 600 -1200mPa.s (25 Deg C)
Density: 0.85 - 0.88

SOLVENT CONTENT*

Ethyl Acetate : 90-95%
Isopropanol : 5 -10% max

* Also available in TOL/IPA/MEK & EA/IPA/MEK combinations
