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**Product Name : PU Resin****Grade: PUR- S3230 / LIB****Category: Solution / Binder****Product Type: Poly(ester-ether)**

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**DESCRIPTION**

bluthane PUR-S 3230 / LIB is a film forming, and a non-reactive thermoplastic polyurethane with a poly(ester-ether) based aliphatic urethane chemistry. The dry film cast from the resin is soft, flexible and has properties that is characteristic of both polyester & polyether (tensile, elongation, flexibility, alcohol solubility, softness, pigment wetting).

The film has fairly good elastomeric properties and has moderate tensile properties. due to the polyester-ether hybrid backbone. The resin is designed for formulating gravure and flexography liquid lamination inks and has good tolerance to aliphatic alcohol solvents and esters. It exhibits good adhesion to a variety of plastic films used in flexible packaging industry.

bluthane PUR-S 3230 / LIB has fairly good locking and heat resistance and has little tack. 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 an adhesion promoter is suggested.

**CHARACTERISTICS**

Medium drying  
Odourless film  
Good film former  
Non- yellowing  
Good pigment wettability & dispersion  
Medium blocking resistance  
Medium heat resistance  
Compatible to NC/ Vinyls  
Good alcohol tolerance

**SPECIFICATIONS**

Colour	Colourless to light yellow liquid
Solids	29 – 31 %
Brookfield Viscosity	400- 1400 mPa.s (25 deg C)
Specific gravity	0.82 – 0.85

**SOLVENT CONTENT\***

Ethyl Acetate	90-95 %
Isopropanol	5-15 %

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