

PRODUCT DATA SHEET

PU RESIN



TM

Issue No. 01

Revision No. 00

Issue Date: 01 APRIL 2012

Revision Date: N/A

Product Name : PU Resin

Grade: PUR- S1230 / LA

Category: Solution / Adhesive

Product Type: Polyester

DESCRIPTION

bluthane PUR-S1230 LA is supplied as a solution of a special polyester aliphatic polyurethane, in a mixture of Methyl Ethyl Ketone and Toluene. PUR-S1230 LA is a film former and dries fairly fast due to the presence of volatile solvents.

Upon complete evaporation of solvent, a colourless, soft and flexible film results, which above 60 C, has excellent open tack for bonding to suitable substrates. The heat activated film crystallizes and becomes non-tacky as it is cooled to ambient temperature (25 C), giving rise to excellent green strength, which slowly cures to a tough film with very good peel strength.

PUR-S1230 LA is resistant to plasticizer migration and has very good adhesion on rigid and flexible PVC. It is specially designed for plasticized PVC / PVC film to Aluminium and GI sheets, without any cumbersome chemical treatment. Primers or adhesion promoters may be used to increase adhesion for difficult substrates.

PUR-S1230 LA can be used as a one-component or two- component adhesive, By crosslinking with aromatic or aliphatic polyisocyanate crosslinkers the solvent and chemical resistance can be improved. PUR-S1230 LA is designed to react with aromatic polyisocyanates without gelling, and has a fairly long pot life.

PROPERTIES

Properties	Units / method	Values
Appearance	visual	Clear colourless solution
Solids content	%	30 +/- 1
Density at (25 C)	g/ml	1.05+/- 0.02
Brookfield viscosity at 25 C	cps	700-1800
Solvents	%	MEK / Toluene
Open tack time	minutes	25

SOLVENTS

Methyl Ethyl Ketone, Cyclohexanone, Ethyl acetate, Toluene and IPA/ Toluene are true solvents.

APPLICATION PROCEDURE

The adhesive as such can be applied with a brush, doctor knife, or roll coaters. The end users may adjust the rheological properties by adding solvents or diluents depending on their process.