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

Product Name : PU Resin**Grade: PUR- S2100 / LA****Category: Solution / Binder****Product Type: Polyester PU**

DESCRIPTION

bluthane PUR-S2100 LA is supplied as a solution of an aromatic polyurethane with a highly crystalline polyester backbone, in a mixture of Methyl Ethyl Ketone and Toluene. PUR-S2110 LA is a film former and dries fairly fast due to the presence of volatile solvents.

Upon complete evaporation of solvent, a colourless and opaque film results, which above 80 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) in about 15 minutes giving rise to excellent green strength, which slowly cures to a tough film with very good peel strength.

PUR-S 2100 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-S 2100 LA can be used as a one-component or two- component adhesive, By cross linking with aromatic polyisocyanate crosslinkers, the solvent and chemical resistance can be improved. PUR-S2100 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 light yellowish solution
Solids content	%	20 +/- 1
Density at (25 C)	g/ml	1.05+/- 0.02
Brookfield viscosity at 25 C	cps	700-2000
Solvents	%	MEK / Toluene
Open tack time	minutes	15

SOLVENTS

Cyclohexanone, and ethyl acetate and mixtures can be used as co-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.
