

**Product Name : PUD**  
**Grade: PUD-2240 / AD****Category: Dispersion / Binder**  
**Product Type: Polyether PUD**

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**DESCRIPTION**

bluthane PUD-2240 AD is an aqueous polyurethane-urea dispersion having a long flexible polyether backbone and hydrophilic functional group to provide excellent adhesion to a variety of polymeric substrates and compatibility with acrylic & vinyl emulsions. It has excellent adhesive properties.

The PUD is designed to impart softness, high flexibility and adhesion to rigid polymers like acrylics and vinyl and provides synergy to the blended systems.

PUD -2240 AD yields a flexible clear film with residual surface tack, and ensures an excellent interface layer which helps adhere the base film and the top coat in case of laminates. It also works as an excellent binder as a co-resin.

The PUD has very low VOC and contains only a minimal amount of coalescing solvent, not exceeding the international norms and is therefore a safe product to handle.

**TYPICAL PROPERTIES**

Properties	Values
1.Density	1.04 gms/cc
2 Form	Liquid
3.Colour	Milky white
4. pH	7.5-8.0
5. NVM (Solids)	40 +/- 1 %
6.Ford Cup Flow (B-4)	25-50 sec.
7. NMP content	2 – 3 %

**APPLICATION PROCEDURE**

PUD-2240 AD may be applied by flexographic or rotogravure and roll coating methods in case it is to be coated over substrates. The coated substrates are passed through a drying chamber or under Infra-red lamps (Temp. 60-100 deg C). The resultant coating has good tack.

For blending with other polymer emulsions ensure the pH is 7-7.5.

**PRIMARY USES**

Blending with Acrylics / Vinyls to impart flexibility and adhesion, functions as a high performance plasticizing adhesives.

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