Answers for waterborne coatings & adhesives

思沃®化学
SiwoChem

SiwoPUD®-U-674

Characteristics: It is aqueous anionic dispersions of an amorphous polyurethane based on polyester. Its adhesive film offers good flexibility and excellent adhesion to a wide variety of substrates. It is raw material for formulation of heat-activated adhesives for use in, for example, the textile, leather, furniture, automotive etc.

Supplied as: 50% in water

Physical characteristics:

Appearance	Translucent-milky white
Non-volatile constituent	48-50%
PH value	7.0 – 9.5
Viscosity	≤1000 mPa·s
Density(d_4^{20})	1.05
NMP, NEP, DMAC etc.	Free
Minimum film-forming temperature	≥0℃
Minimum activation temperature	70-80℃
Yellowing resistance	Non- yellowing

Storage: The dispersion should be stored in a frost-free place in tightly sealed containers. It contains no preservative.

Application: It has outstanding bonding properties on the most synthetic and natural materials. Compared to U-654 and U-656, It exhibits better flexibility and adhesion. Adding 2-5% of a water-dispersible polyisocyanate hardener (such as our company's EC-600) can significantly enhance its high-temperature bonding resistance.

For heat-activated bonding applications, it is recommended to use a temperature of 80-90℃ or higher to ensure that the dried adhesive layer is sufficiently activated. The actual temperature required for a specific application depends on the applied pressure, pressure duration, and the substrates being bonded. Products stored for more than six months can be used only after passing the test。

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