Answers for waterborne coatings & adhesives

思沃®化学
SiwoChem

SiwoPUD®-U-676

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	100-110℃
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 110-120℃ 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。

The information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication. Nothing herein is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the users to determine the applicability of such information or suitability of any products for their own purposes. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such is free of patent infringement and are not recommendations to infringe on any patent.

Shanghai Sisheng Polymer Materials Co., Ltd. Address: No.155 Ping Ye Road, Caojing Town, Jinshan District, Shanghai 201507, P R China.
Contact: Brian Wei Tel +1 859-333-9856, Na Da Tel +86 15166916376, www.siwo-us.com.