

SiwoPUD-[®]SWU

Characteristics: Aqueous, aliphatic polyurethane dispersion based on polyether and polycarbonate.

Supplied as: 60% in water

Physical characteristics:	Appearance	Translucence-white
	Non-volatile constituent	58-61 %
	PH value	7.0 - 9.5
	Viscosity	≤2000mPa·s
	NMP, NEP, DMAC	Free
	Elongation	1200-1300%
	Tensile strength	20.5Mpa
	100%Modulus	1.2Mpa
	Dry	Fast
	Shear stability	good
	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 is easy to mechanically foam, and its thick coating is not easy to crack. Its coating has excellent heat resistance, and the melting temperature can reach more than 200 °C (without crosslinking). The product has excellent water resistance, alkali resistance, aging resistance and durability. It is suitable for the preparation of textile coatings, which can be applied to the following items: outerwear, bags, suitcases, high-tech articles, and other elastic coatings.

It does not contain organotin compounds, heavy metals, formaldehyde, and other prohibited substances etc. It can be added aziridine crosslinker and water-dispersible polyisocyanate crosslinker to further improve its performance.

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