

SiwoPUD[®]-2453

Characteristics: Aqueous, aliphatic polyurethane dispersion based on polycarbonate diol.

Supplied as: 50% in water

Physical characteristics:	Appearance	Translucence-white
	Non-volatile constituent	50 ± 1%
	PH value	6.5 - 8.5
	Viscosity	≤ 600 mPa·s
	NMP, NEP, DMAC	Free
	Elongation	950%
	Tensile strength	44.0 Mpa
	100% Modulus	2.2 Mpa
	Shear stability	good
	Dry	Fast
	Yellowing resistance	non- yellowing

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

Application: 50% Solid polyurethane dispersion based on polycarbonate diol. It has excellent UV resistance, weather resistance, water resistance, wear resistance, and good mechanical properties such as elasticity, tensile strength, elongation, etc. Suitable for thick coating printing on the fabric and elastic coatings.

It does not contain Restricted Substances and Declarable Substances in EU such as organotin compounds, heavy metals, formaldehyde, etc. It can be added aziridine crosslinker and water-dispersible polyisocyanate crosslinker to further improve its performance.

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