

## SiwoPUD<sup>®</sup> - 8051H

**Characteristics:** Aqueous, aliphatic polyurethane dispersion based on polyether.

**Supplied as:** 37% in water

<b>Physical characteristics:</b>	Appearance	Translucence
	Non-volatile constituent	37 ±1 %
	PH value	7.5 - 9.5
	Viscosity	≤500 mPa s
	Mean particle size	≤100 nm
	Organic solvent	4.5%
	Glass transition temperature Tg	-35°C
	Elongation	900-1000%
	Tensile strength	31.6 Mpa
	100%Modulus	3.1 Mpa
	Shear stability	good
	Dry/touch	≤30min
	Dry/through	≤60min
	Yellowing resistance	non- yellowing

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

**Application:** Its coating film exhibits excellent softness, excellent resilience, excellent water resistance, and low temperature resistance. It can be used for fabric printing and coating. It has good washing fastness. It does not contain organotin compounds, heavy metals, formaldehyde, etc. It can be added aziridine crosslinker and water-dispersible polyisocyanate crosslinker (such as the EC-600, etc.) to further improve the washing fastness.

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