

## SiwoPUD-<sup>®</sup>F945

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

**Supplied as:** 45% in water

|                                  |                               |                                     |
|----------------------------------|-------------------------------|-------------------------------------|
| <b>Physical characteristics:</b> | Appearance                    | Milky white to yellowish liquid     |
|                                  | Non-volatile constituent      | 45 ±1 %                             |
|                                  | PH value                      | 8.0 - 10.0                          |
|                                  | Viscosity (mPa·s)             | ≤1000                               |
|                                  | Mean particle size (nm)       | ≤200                                |
|                                  | NMP, NEP, DMAC etc.           | Free                                |
|                                  | Elongation (%)                | 1000-1100                           |
|                                  | Tensile strength (Mpa)        | 22.8                                |
|                                  | Elasticity modulus (100% Mpa) | 1.8                                 |
|                                  | Shear stability               | Good                                |
|                                  | Yellowing resistance          | Not resistant to yellowing          |
|                                  | Storage                       | 12 months at room temperature       |
|                                  | Packaging                     | Plastic Barrel (120,200 and 1000KG) |

**Storage:** The dispersion should be stored in a frost-free place in tightly sealed containers and 5-38℃ temperature conditions. It contains no preservative.

**Application:** Aromatic polyurethane emulsion. Its film is soft, and has good heat resistance, good elasticity, water resistance and alkaline resistance. It is suitable for synthetic leather foam layer, wet bonding, and elastic coatings.

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