

# Water-based Polyurethane Dispersion

## ▶ Application

Applicable to synthetic leather, coating for natural leather, coating for building materials, marking films, etc

## ▶ Characteristics

- Self-emulsifying anionic polyurethane dispersion (PUD) without using surfactant
- Excellent in durability (weather-resistance / hydrolysis-resistance / heat-resistance), and applicable to automobiles requiring durability
- Designed as ultrafine particle with 0.1  $\mu\text{m}$  particle size, and capable of obtaining a film with high transparency because of the excellent coating formation ability
- Free from whitening and dissolving phenomena of coating film because of the excellent water-resistance (Our internal boiling test: visual observation of coated sample after leaving it in boiling water for 30min.)
- Capable of controlling performances such as durability and hardness / softness by resin composition adjustment, and of providing products according to application
- Easy handling because of its categorization as a non-hazardous material under UN (United nations) Standards

## ▶ Representative Products

Application	Type	Polyols	Product name
<b>Adhesives (two -component curing type for film materials)</b>	Non-yellowing	Polyether / Carbonate	D-1063
		Polyester	D-2040
			D-4080
<b>Skin layers (one -component type for film materials)</b>	Non-yellowing	Polyether / Carbonate	D-4200
			D-6065NP
		Polycarbonate	D-6300

