

Technical Data Sheet

PE-820B Wax Water-based Microdispersion

Product Characteristics

PE-820B is a wax microdispersion specially developed for water-based systems, and it can significantly improve the surface properties of systems and enhance the coating performance in the abrasion resistance, slipperiness and block resistance. It has little effect on the gloss of the coating.

Application

Water-based varnish, water-based buffing oil, water-based over-printing varnish, etc.

Leather finishing agent

Textile printing paste

Water-based coatings, water-based emulsion paint, and other water-based coating material

Water-based adhesives, water-based release agent, etc.



Performance and Features

1. The product is made from ultra-hard synthetic wax and other high performance raw and auxiliary materials through unique emulsification equipment and processes.
2. 2-4 μm regular spherical particles and narrow particle size distribution imparts better balance of slipperiness and gloss, and better block resistance.
3. The emulsion possesses good stability, extremely easy dispersion and convenient application.

Typical Physicochemical Data

Appearance	White liquid
Wax Type	Ultra-hard synthetic wax
Emulsion System	Nonionic
Melting Point ($^{\circ}\text{C}$)	121
Solids (%)	39.0–41.0
Mean Particle Size (μm)	D50 2–4
pH	8.1–10.1

Precautions

1. It shall be stored in closed packaging, in cool place, and at storage temperature of 0 ~ 30 oC.
2. The shelf life of the product in the original packaging at room temperature is six months.
Once the container is opened, it is recommended to use it completely in a short period of time.
3. To ensure the uniformity of the product, please shake up thoroughly before use.
The stratification may appear occasionally after stored for a period of time, but after mixing, it can be easy homogenized, and it does not affect the use.
4. This information is provided for reference only, and shall not be construed as guarantee. Please try its suitability in advance.