

Technical Data Sheet

TL-2011AM HDPE Wax Emulsion

■ Product Characteristics

- 1、High melting point, wear resistance, scratch resistance, good smoothness, anti-adhesion
- 2、Good transparency, suitable for high gloss system coating requirements

■ Application

Application	Function
Coating/Print ink/Varnish	Abrasion and scratch resistance
Leather finishing/flatting /Barrier agent	Dry and slip hand feel, scratch resistance
Floor wax/Curing agent/Polish	Improved hardness, polishing properties, surface protection, and long-lasting luster
Paper industry	Block resistance, barrier
Textile	Lubrication, tear resistance
Seed coating agent	Improved flow, wettability, surface protection
Die casting mold release agent	Barrier , lubrication
Adhesive	Improve temperature resistance and feel

■ Typical Physicochemical Data

Appearance	Translucent liquid
Wax Type	HDPE
Emulsion System	Nonionic/Anionic
Melting Point (°C)	137
Solids Content (%)	34.0-36.0
Mean Particle Size (μm)	D50 ≤0.1
pH	8.0-10.0

■USE

- 1、Water-based varnish, water-based varnish (metal paint, wood paint, plastic paint, etc.) ideal surface protection agent, anti-friction, anti-scratch, anti-adhesion, increase smoothness and gloss. Similar functions are also used in other polish fields such as floor wax.
- 2、Leather finishing agent, shoe chemical wax, shoe lotion and other products provide anti-friction and anti-scratch, increase the smoothness and gloss, improve the feel and polishing.
- 3、Textile softener, smoothing agent, increase the wear resistance of the fabric, tear resistance, increase the lubrication during sewing, increase the softness of the fabric feel, and can be used in printing paste.
- 4、Paper coating lubricant, stripping agent, sizing agent.
- 5、Water based release agent, can be used in metal die casting and other fields.
- 6、Matting powder surface organic modifiers, agriculture and other fields.

■ Storage and transportation

The product is sensitive to temperature and needs to be stored and transported between 5°C-35°C. It should be filtered before use. It is recommended to place it in a closed and cool place and pay attention to anti-freezing.

■ Adding method and processing instruction

It is recommended that wax additives be added at the last stage of the water-based coating processing, added slowly, and stirred while adding.

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