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MISSION

Guangzhou Mingshen New Material Co., Ltd.

Innovative/Scientific/Practical

Factory Photos










Patent Certificate

MISSION

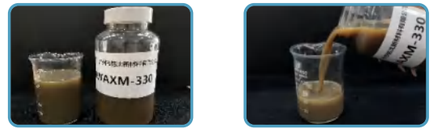
Water-based Emulsion Additives

Palm Wax Emulsion

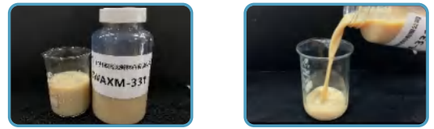
Physical Specification

	EWAXM-330	EWAXM-331
Wax Type	Brazilian Palm Wax	Brazilian Palm Wax
Appearance	Dark Brown Liquid	Dark Brown Liquid
Solid Value(%)	35~42	35~42
PH Value	7.0-8.0	7.0-8.0
Softening Point(℃)	90	90
Ion Type	Nonionic	Nonionic

Product Appearance



EWAXM-330



EWAXM-331

Brazilian palm wax emulsion is a product with high technical content, which adopts new emulsification technology and uses Brazilian palm wax as the main raw material.

Applications

- Water-based Coating
- Leather Finish
- Water-based Ink
- Car Wax
- Water-based Wood Paint
- Floor Wax
- Water based Polish
- Furniture Care

Product Features

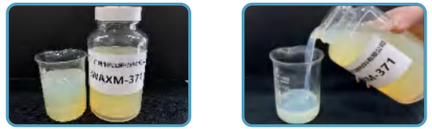
- Resistant to acid, alkali and hard water
- Good Dispersion
- Strong water solubility, Stable emulsion
- Any proportion of water dilution No stratification, No demulsification, No clumping
- Long Shelf Life
- High Solid Content

Modified Vinyl Acetate Copolymer Emulsion (Oxidized EVA Emulsion)

Physical Specification

	EWAXM-371
Wax Type	Ethylene Oxide Vinyl Acetate Copolymer Wax
Appearance	White Liquid
Solid Value(%)	35
PH Value	7.0-8.0
Softening Point(℃)	105
Ion Type	Nonionic

Product Appearance



EWAXM-371

Modified ethylene-vinyl acetate copolymer emulsion is a product with high technical content, which is produced by a new emulsification technology and takes oxidized ethylene-acetate copolymer wax as the main raw material.

Applications

- Extruded Coatings, Foil Laminates, Special Paper Layers
- Paper Sizing Agent
- Heat-seal Coating
- Bonding Coatings and Primers for Nonwoven Adhesives
- Heat activated adhesives in heat transfer anti-stick coatings

Product Features

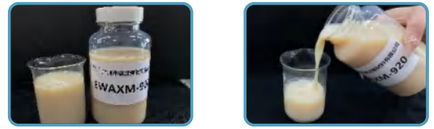
- Coated on substrates such as BOPP PE kraft paper and Racine paper, the coating has a low starting temperature and a wide heat sealing range. Used for heat sensitive food and daily packaging to improve the heat sealing strength of film and paper.
- Used as a transparent protective layer of metal surface, can improve wear resistance, corrosion, water resistance, can prevent metal discoloration. Can also be used as aramid coating material. It has excellent compatibility with pigments, and has the characteristics of low temperature reactivation of solid, and maintaining softness at zero temperature. Especially suitable for UV inks.
- Good water resistance, rubber layer bubble, no change in 7 days

Montan Wax Emulsion

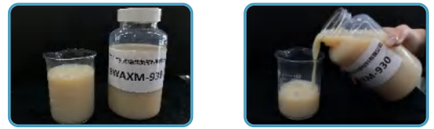
Physical Specification

	EWAXM-920	EWAXM-930
Wax Type	Montan Wax	Montan Wax
Appearance	Beige Liquid	Brown Liquid
Solid Value(%)	20~22	30~32
PH Value	7.0-8.0	7.0-8.0
Softening Point(℃)	90	90
Ion Type	Nonionic	Nonionic

Product Appearance



EWAXM-920



EWAXM-930

Montan wax emulsion is a new emulsifying technology with Montan wax as the main raw material.

Applications

- Suitable for the production of all kinds of flooring, leather shoes, leather coated furniture and other polishing agent, high gloss.
- Suitable for molding process lubricants, can improve the smoothness and gloss of the finished product, improve the appearance.
- Release agent for rubber processing.
- Water-based paints and inks as brighteners

Product Features

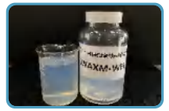
- Resistant to acid, alkali and hard water
- Strong water solubility,Stable emulsion
- Any proportion of water dilution No stratification, No demulsification, No clumping
- Long Shelf Life
- High Solid Content
- High Gloss

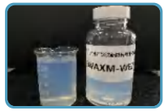
Ethylene Propylene Copolymer Emulsion (EAA Emulsion)

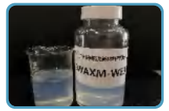
Physical Specification

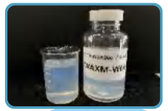
	WE-1	WE-2	WE-3	WE-4
Wax Type	Ethylene Propylene Copolymer Wax	Ethylene Propylene Copolymer Wax	Ethylene Propylene Copolymer Wax	Ethylene Propylene Copolymer Wax
Appearance	Transparent Liquid	Transparent Liquid	Transparent Liquid	Transparent Liquid
Solid Value(%)	20~22	20~22	20~22	20~22
PH Value	8.5-9.5	8.5-9.5	8.5-9.5	8.5-9.5
Characteristic	Film Formation	Adhesive Force	Film Adhesion	Increase Strength
Ion Type	Nonionic	Nonionic	Nonionic	Nonionic

Product Appearance


WE-1


WE-2


WE-3


WE-4

Ethylene propylene copolymer emulsion is a product with high technical content, which is made of ethylene propylene wax and modified ethylene propylene copolymer wax by a new emulsification technology.

Applications

- Extruded Coatings, Foil Laminates, Special Paper Layers
- Paper Sizing Agent
- Heat-seal Coating
- Bonding Coatings and Primers for Nonwoven Adhesives
- Heat activated adhesives in heat transfer anti-stick coatings

Product Features

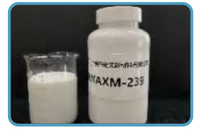
- Coated on substrates such as BOPP PE kraft paper and Racine paper, the coating has a low starting temperature and a wide heat sealing range. Used for heat sensitive food and daily packaging to improve the heat sealing strength of film and paper.
- Used as a transparent protective layer of metal surface, can improve wear resistance, corrosion, water resistance, can prevent metal discoloration. Can also be used as aramid coating material. It has excellent compatibility with pigments, and has the characteristics of low temperature reactivation of solid, and maintaining softness at subzero temperature. Especially suitable for UV inks.
- Good water resistance, rubber layer bubble, no change in 7 days

Paraffin Wax Emulsion

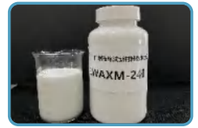
Physical Specification

	EWAXM-239	EWAXM-240
Wax Type	Modified Paraffin Wax Emulsion	Paraffin Wax Emulsion
Appearance	White Opaque Liquid	White Opaque Liquid
Solid Value(%)	35~50	35~50
PH Value	8.0-9.0	8.0-9.0
Softening Point(℃)	58/60	56/58
Ion Type	Nonionic	Nonionic

Product Appearance



EWAXM-239



EWAXM-240

Paraffin wax emulsion is a uniform fluid containing wax and water made by physical modification of petroleum wax. It is a stable emulsionof solid-water multiphase dispersion system made by emulsifying reaction of paraffin wax with several different types and properties of emulsifiers and appropriate regulators. Generally, the type of paraffin wax and emulsifier required is selected according to the use.

Applications

- Brightener, matting agent and feel agent for leather industry.
- Water-based coatings improve the film's scratch resistance, surface hydrophobic properties, and have anti-stick and anti-fouling properties.
- Release agent in rubber, plastic products, PU products, metal products.
- Agricultural moisturizer to prevent drought and more insured.
- Waterproofing agent for fiberboard and particleboard in the paper industry.
- Replacing vinyl acetate in ceramic industry to improve strength.
- Used in the textile industry for yarn finishing and post-textile finishing agent.

Product Features

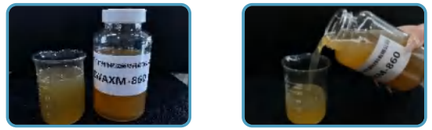
- Resistant to acid, alkali and hard water
- Good Dispersion
- Strong water solubility, Stable emulsion
- Any proportion of water dilution No stratification, No demulsification, No clumping
- Long Shelf Life
- High Solid Content

Modified Polypropylene Wax Emulsion

Physical Specification

	EWAXM-860	EWAXM-863
Wax Type	Modified Polypropylene Wax	Polypropylene
Appearance	Beige Liquid	Milky White Liquid
Solid Value(%)	35	35
PH Value	7.0-9.0	7.0-9.0
Softening Point(℃)	160	160
Ion Type	Nonionic	Nonionic

Product Appearance



EWAXM-860

EWAXM-863

Modified polypropylene wax emulsion is a product with high technical content, which is produced by using new emulsification technology and polypropylene wax as the main raw material.

Applications

- Water-based Adhesive
- Water-based Polish
- Water-based Coatings and Inks
- Metal Die Casting Release Agent

Product Features

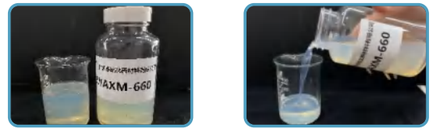
- Strong water solubility, Stable emulsion
- Any proportion of water dilution No stratification, No demulsification, No clumping
- Long Shelf Life
- High Solid Content
- High Gloss, Scratch Resistant

Modified Polyethylene Wax Emulsion

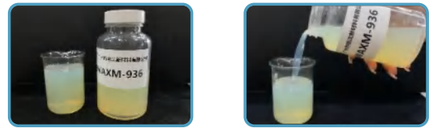
Physical Specification

	EWAXM-660	EWAXM-936
Wax Type	Low Density Oxidized Polyethylene Wax	High Density Oxidized Polyethylene Wax
Appearance	Yellow Transparent Liquid	Yellow Transparent Liquid
Solid Value(%)	35~37	35~37
PH Value	7.0-8.0	7.0-8.0
Softening Point(℃)	100	135
Ion Type	Nonionic	Nonionic

Product Appearance



EWAXM-660



EWAXM-936

Modified polyethylene wax emulsion is a product with high technical content and high density modified polyethylene wax as the main raw material by adopting new emulsification technology.

Applications

- Floor wax, automotive wax to play a plasticizer to improve anti-wear and sliding ability.
- Water-based inks and water-based wood paints enhance scratch resistance.
- Dispersant in pigment preparations.
- Textile additives, leather care agents
- Release agent, metal coating, wood waterproofing agent.

Product Features

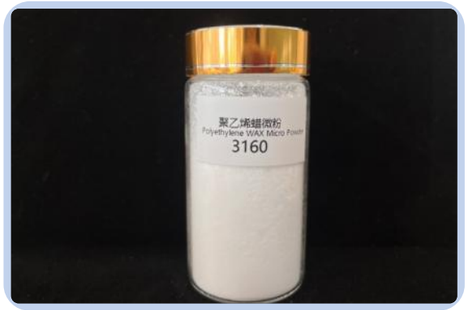
- Improve the antifouling performance of the coating
- Improve the scratch resistance of the coating
- Improve the surface gloss of the coating
- Improve the feel of the coating
- Improve the wear resistance of the surface coating
- Environmental protection and pollution-free

MISSION

Micro Powder Additives

3160 Micro Powder Wax

Product appearance



Chemical Composition

Polyethylene wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	120°C
Particle size distribution:	D50: 6μm D90: 10μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Used for UV, solvent-based coatings and powder coatings, and it has excellent transparency, slip and scratch resistance in the coating.

Application Area

Liquid Coatings and Oil Inks

Product Features and Advantages

This additive can increase surface smoothness and significantly improve scratch resistance in UV and solvent-based coatings and inks, while also providing high transparency and good dispersibility.

Recommended Use

Furniture coatings, floor coatings, industrial coatings, printing inks, UV coatings, plastic coatings, tin plate coatings, and roofing coatings.

Suggested Dosage

The dosage of 0.3-3% additives is based on the total formula, due to different formulation and process conditions, it is recommended to determine the optimal addition amount through experiment before use.

Add Method and Processing Guidance

The product can be dispersed in the paint and ink by high-speed mixing or grinding, and can also be prepared into wax and added after preparation.

Powder Coating

Features and Advantages

This additive can improve the surface smoothness and scratch resistance, and improve the surface protection of powder coating.

Suggested Dosage

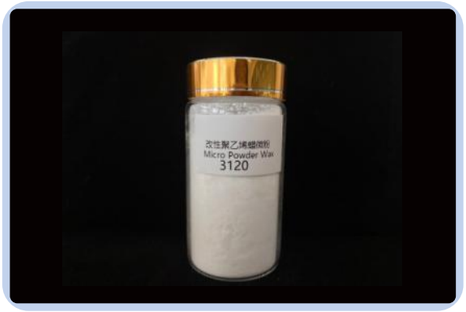
The 0.3-0.6% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to add the base material when pre-mixed, and then squeeze all the material. It can also be added to the material mix with grinding sieve, or added to the finished powder mixed sieve.

3120 Micro Powder Wax

Product appearance



Chemical Composition

Modified polyethylene wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	115±5℃
Particle size distribution:	D50：6μm　D90：11μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Used for water, solvent type, solvent free, UV and other coatings ink and powder coating, improve the surface sliding and wear resistance and scraping resistance.

Application Area

Liquid Coatings and Oil Inks

Product Features and Advantages

This additive can increase the surface smoothness in the water-based and solvent-based coating ink, improve the scratch resistance, improve the coating adhesion resistance, and have little impact on the luster and transparency of the coating.

Recommended Use

Aqueous light oil, water and solvent type printing ink, UV coating

Suggested Dosage

The dosage of 0.3-3% additives is based on the total formula, due to different formulation and process conditions, it is recommended to determine the optimal addition amount through experiment before use.

Add Method and Processing Guidance

The product can be dispersed in the paint and ink by high-speed mixing or grinding, and can also be prepared into wax and added after preparation.

Powder Coating

Features and Advantages

This additive can improve the surface smoothness and scratch resistance, and improve the surface protection of powder coating.

Suggested Dosage

The 0.3-2% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to add the base material when pre-mixed, and then squeeze all the material. It can also be added to the material mix with grinding sieve, or added to the finished powder mixed sieve.

6010 Micro Powder Wax

Product appearance

Chemical Composition

Polypropylene wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	160±5℃
Particle size distribution:	D50: 8μm D90: 15μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Used for UV, water-based, solvent-based paint inks and powder coatings to improve surface wear resistance and metal scratch resistance.

Application Area

Liquid Coatings and Oil Inks

Product Features and Advantages

This additive can increase the surface hardness and smoothness in UV, water-based, solvent based coating inks, improve scratch resistance, and has a matting effect in a wide range of applications, giving the coating a soft silky feel.

Recommended Use

Floor coatings, printing inks and gloss oils, UV floor coatings, furniture coatings, coil coatings, waterborne coatings, industrial coatings

Suggested Dosage

The dosage of 0.3-5% additives is based on the total formula, due to different formulation and process conditions, it is recommended to determine the optimal addition amount through experiment before use.

Add Method and Processing Guidance

The product can be dispersed in the paint and ink by high-speed mixing or grinding, and can also be prepared into wax and added after preparation.

Powder Coating

Features and Advantages

This additive can improve the surface smoothness and scratch resistance, and improve the surface protection of powder coating, provide light extinction effect

Suggested Dosage

The 0.3-2% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to be added when the base material is premixed and then completely extruded.

6020 Micro Powder Wax

Product appearance

Chemical Composition

Composite micro powder wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	145°C
Particle size distribution:	D50: 8μm D90: 15μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Used for powder coating, improve surface wear resistance and metal scratch resistance, and have less impact on coating recoating and screen printing.

Application Area

Powder Coating

Features and Advantages

This additive can be used in powder coating, improve the surface wear resistance and metal scratch resistance, good leveling, little influence on coating recoating and screen printing.

Suggested Dosage

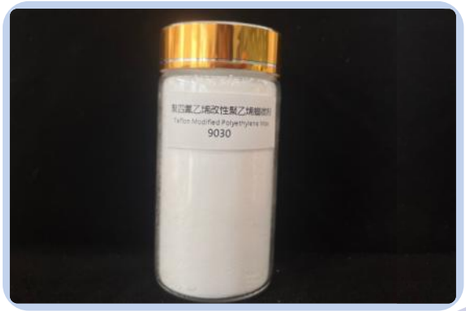
The 0.3-2% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to be added when the base material is premixed and then completely extruded.

9030 Micro Powder Wax

Product appearance



Chemical Composition

Teflon modified polyethylene wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	120/320°C
Particle size distribution:	D50: 6.5μm D90: 11μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Used for UV, solvent-based coating inks and powder coatings to improve surface smoothness and wear resistance.

Application Area

Liquid Coatings and Oil Inks

Product Features and Advantages

This additive can reduce the friction coefficient in solvent based coating inks, has excellent smoothness, and significantly improves the wear resistance and scratch resistance of the coating.

Recommended Use

Floor coating, printing ink, wood coating, industrial coating, UV coating

Suggested Dosage

The dosage of 0.3-3% additives is based on the total formula, due to different formulation and process conditions, it is recommended to determine the optimal addition amount through experiment before use.

Add Method and Processing Guidance

The product can be dispersed in the paint and ink by high-speed mixing or grinding, and can also be prepared into wax and added after preparation.

Powder Coating

Features and Advantages

This additive can improve the surface smoothness and scratch resistance, and improve the stain resistance of powder coating.

Suggested Dosage

The 0.2-0.5% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to add the base material when pre-mixed, and then squeeze all the material. It can also be added to the material mix with grinding sieve, or added to the finished powder mixed sieve.

3960 Special Defoamer

Product appearance

Chemical Composition

Micro powder modified amide wax

Typical Materialized Data

The data presented on this data page are only typical values, not technical indicators of the product.

Melting point:	145±5°C
Particle size distribution:	D50: 7μm D90: 12μm
Supply form:	micro powder material

Storage and Transportation

Store in a cool, dry, and ventilated place.

Effectively help powder coating on various porous substrates (cast iron, cast aluminum, galvanized sheet, etc.) degassing and eliminating bubbles, increase surface hardness.

Application Area

Powder Coating

Features and Advantages

This additive can effectively help the powder coating in various porous substrates (cast iron, cast aluminum, galvanized sheet, etc.) degassment and eliminate bubbles, increase the surface hardness, reduce the melt viscosity of the system, improve the wettability of the substrate and the dispersion of the pigment, can get a smoother surface.

Suggested Dosage

The 0.3-0.8% additives are based on the total formulation, and due to the different formulation and process conditions, it is recommended to determine the optimal addition amount through experiments before use.

Add Method and Processing Guidance

It is recommended to add the base material when pre-mixed, and then squeeze all the material. It can also be added to the material mix with grinding sieve, or added to the finished powder mixed sieve.