



“Manufacturer and Customizing Silicone Resin”



JIANGXI NEW JIAYI NEW MATERIALS CO.,LTD
GUANGZHOU XIBO CHEMICAL TECHNOLOGY CO.,LTD

HEAD OFFICE -JIANG XI(FACTORY)

TEL: 0792-3170696/020-87233027

FAX: 0792-3170903

EMAIL: Sales@xjysi.com

ADDRESS: XINGHUO INDUSTRIAL ZONE, YONGXIU COUNTY, JIUJIANG CITY, JIANGXI, 330319.CHINA

XJY SILICONES IN COSMETICS

SILICONE RESIN AND OILS

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ABOUT US

Jiangxi New JiaYi New Materials Co.,Ltd (XJY Silicones), founded in 2003, a national high-tech enterprise based on Yongxiu Xinghuo Industrial Park. The company has been in silicone industry for more than 35 years research. So far, XJY Silicones has formed a comprehensive industrial chain from the synthesis and production of silicone raw materials to the R&D and production of composite material, is the world's leading silicone R&D and production enterprises.

Our services not only cover personal care and cosmetics, but also new energy, new materials, aerospace, automotive, electronics, engineering plastics, coatings and other industries, providing diversified solutions for customers.

With the continuous expansion of our business, XJY Silicones has spread its footprints all over the world and become an important player in the international market.

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XJY-8203/8205 FILM FORMER MQ RESIN

INCI Name: Trimethylsiloxysilicate (TMS)
CAS No.: 68988-56-7

FEATURES

XJY-8203/8205 is a series of solid silicone resin powder, these silicone resins have been especially developed to provide film forming and softness effect. It can provide an excellent water repellency and resistance to detergent/water wash off and a flexible film with a smooth and comfortable touch on the surfacfor many skin care products.

MAIN FUNCTIONS

- Softness
- Long lasting
- Film forming
- Water repellence
- Non-tacky

APPLICATIONS

- UV resistance
- Rub off resistance
- Colour transfer resistance
- Spreadability & Compatibilit

- Color cosmetic (Non-sticky Lipstick, Lipgloss, Eyeliner, BB cream)
- Deodorant & Antiperspirant
- Sun care & Skin care (Facial care, Body lotion, Body cream)
- Sticks products, Styling product, Conditioners

PROPERTIES

INCI Name	Trimethylsiloxysilicate					
Product	XJY-8205/S8205	XJY-8203/S8203	XJY-S8300	XJY-82086	XJY-8208	XJY-82010
Appearance	White Powder					
Resin%	100	100	100	100	100	100
Particle Size(μm)	<150	<80	/	/	<80	<80
Film Flexibility	*****	****	***	***	**	*
Long-lasting Waterproof	*	**	***	*****	****	*****

XJY- 8205C/M/I MQ RESIN BLENDS

CAS No.: 68988-56-7

FEATURES

XJY-8205C/M/I is a series of MQ resin blends, these silicone solutions have been especially developed to provide film forming and softness effect. It can provide an excellent water repellency and resistance to detergent/water wash off and a flexible film with a smooth and comfortable touch on the surface for many skin care products.

MAIN FUNCTIONS

- Softness
- Long lasting
- Film forming
- Water repellence
- Non-tacky

APPLICATIONS

- UV resistance
- Rub off resistance
- Colour transfer resistance
- Spreadability & Compatibilit

- Color cosmetic (Non-sticky Lipstick, Lipgloss, Eyeliner, BB cream)
- Deodorant & Antiperspirant
- Sun care & Skin care (Facial care, Body lotion, Body cream)
- Sticks products, Styling product, Conditioners

PROPERTIES

INCI Name	Cyclopentasiloxane (and) Trimethylsiloxysilicate		Dimethicone (and) Trimethylsiloxysilicate	Isododecane (and) Trimethylsiloxysilicate	
Product	XJY-8205-C	XJY-8300-C	XJY-8205-M	XJY-8205-I	XJY-8208I
Appearance	Clear Liquid				
Resin%	50	50	50	50	66-70
Viscosity (mPa.s)	70-200	200-400	300-700	3-10	500-800
Film Flexibility	****	***	****	***	**
Long-lasting Waterproof	****	*****	***	****	*****

XJY-82012 FILM FORMER

INCI Name: Trimethylsiloxysilicate/Polypropylsilsesquioxane

FEATURES

XJY-82012 silicone resin is a solid powder resin, this silicone resin has been especially developed to provide both excellent transfer and wash-off resistance and also forms a pleasant-to-touch, flexible film that can be used in a variety of skin care formulations.

MAIN FUNCTIONS

APPLICATIONS

- Excellent transfer and elution resistance
 - Sebum resistance, Wipe resistance
 - Long lasting and durable
 - Comfortable to touch, Non-sticky and smooth
 - Easy to formulate, Improve adhesion strength of makeup
 - Improves shine, Improves SPF
- Color cosmetics
 - Skin care
 - Sun care
 - Hair care

PROPERTIES

Product	XJY-82012	XJY-82012-2
Resin %	≥99%	≥99%
Bulk Density(g/cm3)	0.3-0.5	0.3-0.5
Particle Size(microns)	≤150	≤150
Film Flexibility	***	****

XJY-056 PHENYL MODIFIED SILICONE FLUID

INCI Name: Phenyl Trimethicone

CAS No.: 73559-47-4

FEATURES

XJY-056 Cosmetic Grade Fluid for personal care products was known for their high refractive index which improves shine gloss and better softness to hair care products, non-oily and easy to spread emolliency in skin care products and good anti-stick, anti-tack and compatibility with cosmetic ingredients.

MAIN FUNCTIONS

APPLICATIONS

- Shine
 - Softness and silkness
 - Anti-curl
 - Spreadability and compatibility
 - Non-oily feeling
 - Film forming
 - Water repellency
- Hair care (Shampoo, Hair conditioner, Styling products)
 - Deodorant & Antiperspirant
 - Color cosmetic (Shimmer eye make-up, BB cream, Extended wear lipstick, Clear lip gloss)

PROPERTIES

INCI Name	Phenyl Trimethicone
Product	XJY-056
Appearance	Colorless Clear Liquid
Viscosity (25℃, mm²/s)	15~30st
Refractive Index	1.4550~1.4650
Flash Point (close cup)	>100
Specific Gravity (25℃)	0.97-0.99
PH	6.5~7.5

XJY-058 CYCLIC-FREE SILICONE FLUID

INCI Name: Methyl Trimethicone

CAS No.: 17928-28-8

FEATURES

XJY-058 is a methyl-trimethyl-siloxane oligomer of MT structure, non-cyclic, colorless, and non-irritating with excellent volatility and spreadability. It is compatible with various cosmetics, and leaves the skin feeling soft and silky with a light, refreshing, non-greasy texture. It is an ideal material for cosmetic formulations as it improves the formulation and texture without leaving any long-lasting residue.

MAIN FUNCTIONS

- Excellent volatile properties
- Spreading property
- Light and non-greasy texture
- Excellent compatibility

APPLICATIONS

- Widely used in skincare, sunscreens, makeup, deodorants, antiperspirants, hair conditioners, and other products.
- It can be used as a solvent or temporary carrier to reduce surface tension and facilitate the even application of color pigments. It can also be used as a base oil component in personal care products, with good spreadability, easy application, lubrication, and unique volatility.

PROPERTIES

INCI NAME	Product	Appearance	Viscosity (25°C, mm²/s)	Specific Gravity g/cm³	Refractive Index (25°C)
Methyl Trimethicone	XJY-058	Colorless Clear Liquid	1.5~2	0.84~0.86	1.38~1.39



XJY-801 SPHERICAL SILICONE RESIN POWDER

INCI Name: Polymethylsilsesquioxane (PMSQ)

CAS No.: 68554-70-1

FEATURES

XJY-801 silicone resin powder series are kinds of insoluble non-melting trifunctional components of dense cross-linked curing resin. All of these resins have an excellent touch to skin and can result in excellent performance benefits by different grade of particle sizes when incorporated into a variety of facial lotion and cosmetic formulations. These benefits include reduction of pigment agglomeration in pressed powders, good spreadability on skin-care and sun care, lessen the appearance of fine lines and wrinkles through the use of foundations and decoration cosmetics.

MAIN FUNCTIONS

- High oil absorption
- Soft feel effect
- Cover up face defect
- Non-greasy
- Esthetic enhancer
- Transfer resistace
- Waterproof
- Wearability & Compatibility
- Prevent pigment agglomeration

APPLICATIONS

- Foundation, Shimmer powder
- Suncare (Sun protection, After-sun & Self-tanning)
- Skin-care (Facial care, Facial cleansing, Body care, Baby lotion) Anti-Ageing preparations
- Decorative cosmetics & Make-up (Lipstick, Lip gloss, BBcream Eyeliner, Concealer, Sticks products)
- Shaving products & Conditioners

PROPERTIES

INCI NAME	Polymethylsilsesquioxane	Isododecane/ Polymethylsilsesquioxane	Dimethicone/ Polymethylsilsesquioxane
Product	XJY-801	XJY-801-I	XJY-801-D
Appearance	White Powder	Translucent Paste	
Resin (%)	>99	70-80	70-80
Oil Absorbtion (g/100g)	55-65	/	/
Particle Size (µm)	2-10 um		
Specific Gravity (25°C,g/cm³)	1.32-1.33		
Refractive Index	1.42-1.43		

XJY-8145 POLYPROPYLSILSESQUIOXANE

INCI Name: Polypropylsilsesquioxane

FEATURES

XJY-8145 Polypropylsilsesquioxane is a liquid silicone resin that provides excellent transfer and water resistance, as well as a pleasant-to-the-touch, flexible film that can be used in a variety of skin care formulations.

MAIN FUNCTIONS

- Excellent transfer and wash-off resistance
- Sebum-resistant
- Long-wearing and long-lasting
- Wipe Resistance
- Comfortable to the touch
- Improves the strength of makeup development
- Improves shine
- Improved SPF
- Easy Formulation
- Smooth and non-tacky

APPLICATIONS

- Cosmetics
- Sunscreen
- Skincare
- Hair care

PROPERTIES

INCI Name	Polypropylsilsesquioxane
Product	XJY-8145
Appearance	Colorless transparent or translucent liquid
Resin (%)	≥99%
Viscosity (mpa.s/25℃)	2000~50000 (adjusted to actual requirements)

XJY-8245 POLYMETHYLSILSESQUIOXANE FILM FORMER POWDER

INCI Name: Polymethylsilsesquioxane

FEATURES

XJY-8245 is a solvent-free solid silicone resin. This highly crosslinked silicone resin is primarily used for its film forming properties. XJY-8245 PMS powder has excellent water resistance and is used as a processing aid in pigment grinding and powder compacting applications. It prevents agglomeration and maintains the free-flowing characteristics of loose powder products, which is beneficial for powder filling equipment.ct.

MAIN FUNCTIONS

- Good adhesion
- Excellent flexibility
- Good waterproof performance
- Excellent film-forming properties

APPLICATIONS

- Eye makeup
- Lip makeup
- Foundation
- Nail polish
- Skin care
- Sun care

PROPERTIES

Product	XJY-8245
INCI Name	Polymethylsilsesquioxane
Appearance	White Powder
Odor	Odorless
Softening Point	50 - 60 ℃

XJY-804M SILICONE RESIN ELASTOMER GEL

INCI Name: Dimethicone/Vinyl Dimethicone Crosspolymer and Trimethylsiloxysilicate and Cyclopentasiloxane

FEATURES

XJY-804M is a kind of silicone rubber elastomer gel dispersed in a Decamethylcyclopentasiloxane system. This silicone elastomer is a regular sphere with excellent slip properties. The special structure of the elastomer gives the product excellent performance, and can be suitable for a variety of for mulations and has excellent compatibility with other materials for skin care, color cosmetics and body care. In addition the product has excellent film-forming properties and has good applications in color cosmetics.

MAIN FUNCTIONS

- Excellent slip and smoothness properties
- No harm and non-irritating to the skin
- Non-greasy feeling and good film formation
- Reduces the greasy feeling of skin and improves smoothness (matte effect)
- No mud feeling
- Excellent softness
- Effectively control sebum

APPLICATIONS

- Sunscreen-Excellent adhesion and skin-friendliness, effective in blockingultraviolet radiation, improved SPF and PA rating
- Foundation-Excellent smoothness and spread, excellent makeup holding
- Anti wrinkle cream-excellent film-forming properties and skin sensation, continuously effective
- Cosmetics-lipstick, lip gloss, BB cream, concealer stick and other products
- Moisturizers, etc.

PROPERTIES

INCI Name	Dimethicone/Vinyl Dimethicone Crosspolymer and Trimethylsiloxysilicate and Cyclopentasiloxane
Appearance	Colorless Transparent or Translucent Gel Liquid
Viscosity	100000-500000mPa.s
Particle Size(D50)	1-5µm
Base Oil	Cyclopentasiloxane
Refractive Index	1.41

XJY-804MA SILICONE RESIN ELASTOMER GEL

INCI Name: Dimethicone/Vinyl Dimethicone Crosspolymer and Trimethylsiloxysilicate and Isododecane

FEATURES

XJY-804MA is a kind of silicone rubber elastomer gel dispersed in a isododecane system. This silicone elastomer is a regular sphere with excellent slip properties. The special structure of the elastomer gives the product excellent performance, and can be suitable for a variety of for mulations and has excellent compatibility with other materials for skin care, color cosmetics and body care. In addition the product has excellent film-forming properties and has good applications in color cosmetics.

MAIN FUNCTIONS

- Excellent slip and smoothness properties
- No harm and non-irritating to the skin
- Non-greasy feeling and good film formation
- Reduces the greasy feeling of skin and improves smoothness (matte effect)
- No mud feeling
- Excellent softness
- Effectively control sebum

APPLICATIONS

- Sunscreen-Excellent adhesion and skin-friendliness, effective in blockingultraviolet radiation, improved SPF and PA rating
- Foundation-Excellent smoothness and spread, excellent makeup holding
- Anti wrinkle cream-excellent film-forming properties and skin sensation, continuously effective
- Cosmetics-lipstick, lip gloss, BB cream, concealer stick and other products
- Moisturizers, etc.

PROPERTIES

INCI Name	Dimethicone/Vinyl Dimethicone Crosspolymer and Trimethylsiloxysilicate and Isododecane
Appearance	Colorless Transparent or Translucent Gel Liquid
Viscosity	100000-500000mPa.s
Particle Size(D50)	1-5µm
Base Oil	Isododecane
Refractive Index	1.41

XJY-804W SILICONE SPHERICAL ELASTOMERS

INCI Name: Dimethicone/Vinyl Dimethicone Aqueous

FEATURES

XJY-804W is a true spherical silicone rubber elastomer aqueous dispersion with solid content ranging from 30 to 90% (according to customer's demand), which has excellent slip performance and is mainly used in personal care and cosmetic industries, especially in sunscreen and foundation with better performance to enhance the sun protection index and skin feel of the products.

MAIN FUNCTIONS

APPLICATIONS

- Excellent slip performance
 - Excellent soft light performance
 - Excellent dispersibility in water emulsions
 - Non-invasive and non-irritating to the skin
 - Reduces greasiness and improves smoothness (matte effect)
- Sunscreen-excellent skin-friendliness, effective in blocking UV radiation, enhanced SPF and PA ratings
 - Foundation-excellent slip and oil absorption
 - Barrier cream-excellent skin-friendliness and softness

PROPERTIES

INCI Name	Product	Appearance	Particle Size (μm)	Specific Gravity (g/cm³)	Apparent Density (g/cm³)	Solid Content (%)
Dimethicone/Vinyl Dimethicone Aqueous	XJY-804W	White Liquid	1~5	0.97~0.98	0.32~0.33	30~80 (Adjustable)



XJY-8100 MODIFIED POLYSILOXANE FILM FORMER

INCI Name: Bis-Hydroxyethoxypropyl Dimethicone/IPDI Copolymer

FEATURES

XJY-8100 is a kind of modified polysiloxane material, which is widely used in skin care and makeup products. It is used as skin conditioner, film forming agent and slip-aid agent in cosmetics and skin care products. It is especially suitable for dry skin, wrinkles, sensitivity and firming skin types, and has good adjustment performance.

MAIN FUNCTIONS

APPLICATIONS

- Good film forming and softness
 - Good smoothness, keeping the skin moisturized without being greasy
 - Good waterproof performance
 - Good spreadability, enhancing the coverage of cosmetics
- Used in lipsticks, lip glosses, and similar products, it provides long-lasting and waterproof properties.
 - Soft and silky texture, used to enhance the longevity of sunscreen products, prevent color transfer, and set makeup.
 - It can reduce the sticky feeling and can be used in skincare products such as lotions and creams.

PROPERTIES

Product	XJY-8100
Appearance	Colorless clear liquid
Active Ingredient content (%)	100
Viscosity(25℃,mpa.s)	15000-25000

XJY-8100A MODIFIED POLYSILOXANE FILM FORMER

INCI Name: Bis-Hydroxyethoxypropyl Dimethicone/IPDI Copolymer and Trimethylsiloxysilicate and Isododecane

FEATURES

XJY-8100A is a kind of modified polysiloxane material, which is widely used in skin care and makeup products. It is used as skin conditioner, film forming agent and slip-aid agent in cosmetics and skin care products. It is especially suitable for dry skin, wrinkles, sensitivity and firming skin types, and has good adjustment performance.

MAIN FUNCTIONS

- Good film forming and softness
- Good smoothness, keeping the skin moisturized without being greasy
- Good waterproof performance
- Good spreadability, enhancing the coverage of cosmetics

APPLICATIONS

- Used in lipsticks, lip glosses, and similar products, it provides long-lasting and waterproof properties.
- Soft and silky texture, used to enhance the longevity of sunscreen products, prevent color transfer, and set makeup.
- It can reduce the sticky feeling and can be used in skincare products such as lotions and creams.

PROPERTIES

Product	XJY-8100A
Appearance	Colorless clear liquid
Active Ingredient content (%)	58-62
Dispersing agent	Isododecane
Viscosity(25℃,mpa.s)	2000-3000

XJY-8100C MODIFIED POLYSILOXANE FILM FORMER

INCI Name: Bis-Hydroxyethoxypropyl Dimethicone/IPDI Copolymer and Trimethylsiloxysilicate and Cyclopentasiloxane

FEATURES

XJY-8100C is a kind of modified polysiloxane material, which is widely used in skin care and makeup products. It is used as skin conditioner, film forming agent and slip-aid agent in cosmetics and skin care products. It is especially suitable for dry skin, wrinkles, sensitivity and firming skin types, and has good adjustment performance.

MAIN FUNCTIONS

- Good film forming and softness
- Good smoothness, keeping the skin moisturized without being greasy
- Good waterproof performance
- Good spreadability, enhancing the coverage of cosmetics

APPLICATIONS

- Used in lipsticks, lip glosses, and similar products, it provides long-lasting and waterproof properties.
- Soft and silky texture, used to enhance the longevity of sunscreen products, prevent color transfer, and set makeup.
- It can reduce the sticky feeling and can be used in skincare products such as lotions and creams.

PROPERTIES

Product	XJY-8100C
Appearance	Colorless clear liquid
Active Ingredient content (%)	58-62
Dispersing agent	Cyclopentasiloxane
Viscosity(25℃,mpa.s)	4000-5000

XJY-013 LOW VISCOSITY SILICONE OIL

INCI Name: Hexamethyldisiloxane
CAS No.: 107-46-0

FEATURES

XJY-013 is an organosiloxane that can be used as a structure control agent for various organosiloxane synthesis, a solvent for organosiloxane synthesis, a structure control agent for pharmaceutical synthesis, and a dispersant for medical products.

MAIN FUNCTIONS

- High purity
- No irritating odor

APPLICATIONS

- Personal care
- Medical
- Organic synthesis

PROPERTIES	
Properties	Result
Appearance	Colorless Transparent Liquid
Content %	≥99%
Specific gravity (g/ml)	0.764
Viscosity (cst, 25℃)	0.65
Flash Point (close cup)	-2
Boiling point (℃, 101.325KPa)	100

XJY-015 LOW VISCOSITY SILICONE OIL

INCI Name: Octamethyltrisiloxane
CAS No.: 107-51-7

FEATURES

XJY-015 is a siloxane that can be used as a structure control agent or solvent for various siloxane syntheses, as a structure control agent for pharmaceutical synthesis, and as a dispersant for medical products.

MAIN FUNCTIONS

- High purity
- No irritating odor
- Good volatility

APPLICATIONS

- Personal care
- Medical
- Organic synthesis

PROPERTIES	
Properties	Result
Appearance	Colorless Liquid
Content %	≥99%
Specific gravity (g/ml)	0.82
Viscosity (cst, 25℃)	0.9-1.10
Flash Point (close cup)	29
Boiling point (℃, 101.325KPa)	153
Refractive index (n _D ²⁵)	1.3830-1.3850