

SILICONE FILM FORMING TECHNOLOGY

TRIMETHYLSILOXYSILICATE

——MEDICAL CARE SERIES

JIANG XI NEW JIA YI NEW MATERIALS CO.,LTD

Jiang Xi New Jia Yi New Materials Co.,Ltd was founded in 2003, is a professional R & D and production of silicone materials of national high-tech enterprises, but also the national level specializing in new small giants of the XJY has a continuous silicone resin production line, independent production and research and development of silicone resin as the core of the silicone new materials. Our products are mainly used in many industries, such as electronic and electrical appliances, construction materials, automobile transportation, aerospace, medical care, daily chemicals and textiles, new energy, industrial auxiliaries, and other emerging fields.



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Silicone Film Forming Solutions - Improved Patient Comfort, More Skin-Friendly Barrier Films.

For the purpose of making the patient experience more comfortable and safe, topical series of drugs that come into contact with the skin form a long-lasting film. In over-the-counter formulations, it is important to improve the affinity of the formulation as well as the sensory properties such as skin friendliness. Silicones are non-toxic, odorless and non-irritating, meeting the needs of the human body, and are more trusted by consumers.

XJY-9660 Trimethylsiloxysilicate TMS (SILICONE MQ RESIN) CAS No.: 68988-56-7

XJY-9660 Trimethylsilanethoxysilicate is a siloxane polymer with a main chain structure consisting of alternating silicon and oxygen atoms. These solid silicone resins provide film-forming and softening effects, which provide excellent water repellency and detergent/water wash resistance for many pharmaceutical formulations.

Brand	XJY-9660	XJY-9670	XJY-9680
INCI Name	Trimethylsilanethoxysilicate	Trimethylsiloxysilicate/ Polymethylsilsesquioxane	Trimethylsiloxysilicate/ Polypropylsilsesquioxane
Appearance	White Powder		
Resin content%	>99		
Film elasticity	*****	*****	*****
Fim-forming performance	Super soft film	Soft film	Soft film

FUNCTIONAL CHARACTERISTICS

- Excellent hydrophobicity, film-forming and moisturizing properties, can be blended with volatile silicone oils or polydimethylsilicone oils;
- Good adhesion, migration and wash resistance;
- Provides a matte, full-bodied effect and soft, silky, non-greasy feel;
- Good physiological inertness, good barrier effect;
- Provides good breathability.

APPLICATION OF SOFT FILM

Medical wound isolation film-forming agent

Soft film: sunscreen, cream, foundation, etc.

Hard film (for styling): mascara, hair styling wax, etc.