

APPLICATION

Silicone release agents have the characteristics of high and low temperature resistance, low surface tension, and non-corrosion to metals. Adding silicone resin (5-15%) can significantly improve the strength of the silicone oil film, and has good application effects in high-temperature casting, tire release, automotive seat cushions, and other fields.

- Easy to use and high-temperature resistant.
- Will not cause fading of molded parts.
- Solvent dilutable.
- Low surface tension.
- Semi-permanent release. In most cases, it can effect for multiple molding cycles after one use.
- Provides a heat-stable, non-carbonizing, non-oily release film.

PACKAGE

Products are packed 25kg per carton for powder and 200kg per steel drum for liquid. Packaging options are available upon request.

STORAGE AND TRANSPORTATION

Stored in a cool and dry place, according to non-dangerous goods transport. When stored at or below 25°C in the original unopened containers, this product has usable life of 12 months from the date of production. If more than the storage period, the product should be rechecked.

PRECAUTIONS

- ◆ This series of product pH value is neutral. If on skin(or eyes), flush with water, and get medical attention immediately.
- ◆ This product is neither tested nor represented as suitable for medical or pharmaceutical use.
- ◆ Product safety information required for safe use is no included. Before handling, read product and safety date sheets for safe use.

PRODUCT DESCRIPTION

The methyl MQ silicone resin is a polymer of tetrafunctional siloxane (Q) and monofunctional methylsiloxane (M). It is widely used in personal care, adhesives, defoamers, waterproofing agents, and other fields. It exhibits excellent application effects in high-temperature, semi-permanent, or permanent release agent applications.

TYPICAL PROPERTIES

Product	MQ Silicone Resin	
Resin Grade	XJY-RA-09	XJY-RA-03
Appearance	White Powder	
Application	<ul style="list-style-type: none"> • High molecular weight silicone resin has good film-forming and adhesion properties, providing long-lasting release effects. • It provides durable isolation films for epoxy resins, melamine, methyl acrylate, phenolic resins, polyesters, and polyurethanes during the manufacture of plastic parts. • It is used for releasing silicone glass laminates, silicone molded plastic pipes and components. <p>It provides release function for wood molding operations, metal casting, and rubber gaskets.</p>	<ul style="list-style-type: none"> • Polyurethane release: especially for polyester type, polyurethane soles. • Micro honeycomb automotive parts and furniture (full leather). • Automotive parts: bumpers, crash pads, dashboards.

TYPICAL PROPERTIES

Product	Silicone Resin/Polydimethylsiloxane	
Resin Grade	XJY-RATN-03	XJY-RAN-03
Appearance	Silicone Resin/Polydimethylsiloxane	
Dispersed Medium	PDMS Polydimethylsiloxane	
Viscosity (mPa.s)	500-1000	300-700
Application	<ul style="list-style-type: none"> • Provides durable release film in the manufacturing process of plastic, adhesive, and elastomer products. • Used as an additive in automotive polishing agents. 	<ul style="list-style-type: none"> • Polyurethane processing release. • Micro honeycomb automotive parts and furniture (full leather). • Automotive parts: bumpers, crash pads, dashboards.