

# XJY-801 Polymethylsilsesquioxane

## 1. PRODUCT FEATURES

XJY-801 series is a kind of true ball, narrow diameter distribution of solid powder. The chemical structure of the insoluble, non-melting trifunctional components of dense cross-linked curing resin.

It is a micro-fine spherical cross-linked siloxane particle which has slightly broader particle size distribution. It provides an excellent touch to skin, cosmetics spreadability and smoothness when incorporated into a variety of cosmetic formulations.

## 2. PRODUCT BENEFITS

- Non-greasy
- Soft feel effect
- Transfer resistance
- High oil absorption
- Esthetic enhancer
- Waterproof for easily remove
- Wearability & Compatibility
- Prevent pigment agglomeration

## 3. TYPICAL PROPERTIES

INCI Name	Polymethylsilsesquioxane	Isododecane (and) Polymethylsilsesquioxane	Polymethylsilsesquioxane (and) Dimethicone
Appearance	White Powder	Translucent Paste	Translucent Paste
Oil Absorption (OA) (g/100g)	75-80	/	/
Content of active ingredient(%)	> 99 %	70-80	70-80
Mean diameter( $\mu\text{m}$ )	2-10 $\mu\text{m}$		
True density (25 $^{\circ}\text{C}$ ,g/cm $^3$ )	1.32-1.33		
Refractive index ( $n_D^{25}$ )	1.42-1.43		

## 4. APPLICATIONS

- Mascara: 9%-10%

- Foundation: 6%-10%
- Shimmer powder: 14%-16%
- Oil-control products: 5 ~10%
- Powder products: 5 ~ 20%
- Skin care (Facial care, Facial cleansing, Body care, Baby lotion) > Anti-Ageing preparations: 4%-6%
- Decorative cosmetics & Make-up (Lipstick, Lipgloss, BB cream, Eyeliner, Concealer, Sticks products): 2%-6%

**Disclaimer-The information presented here should not be interpreted as real application percentage, only suggestion.**

## 5. EFFECTIVENESS ANALYSIS

### **Skin ductility and spreadability**

Round and smooth physical shape with an extraordinarily soft feeling provide a good lubricity and spreadability. And the more bigger particle size has a better fluidity, like water flows.

### **Soft Focus Effect**

The small particle size makes light scattered and reflected back, which enhance the soft focus effect. This feature brightens wrinkles and keeps face defects hidden optically. The light diffusing function reduces sharpness of makeup lines and enhances natural finish in applying cosmetics.

### **Excellent water repellency**

It is suitable for various occasions on water resistance. Non-absorbent properties plays a remarkable function in use of cosmetic formulations.

### **Extensive usability**

Compared with other polymeric silicone powder, it has a strong stability in other chemical mixtures and not inflated.

## 6. PACKAGING

Products are packed in plastic bags or cartons for 20kg , 25 kg. Packaging options are available upon request.

## 7. 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.