

PSF-High Viscosity Dimethicone Fluids (5,000cSt to 100,000cSt)

CAS No. 63148-62-9 Polydimethylsiloxane INCI Name: Dimethicone



Hi-Viscosity Dimethicones Fluids enhance the effectiveness of Personal Care products and are particularly effective as conditioner additives.

PSF-High Viscosity Dimethicone Fluids are clear, colorless, and odorless high viscosity Polydimethylsiloxane fluids (CAS# 63148-62-9) with INCI Name Dimethicone.

PSF-High Viscosity Dimethicone Fluids are used in a variety of personal care products, providing a soft velvety feel when applied to hair and skin. They improve the feel of lotion products, and provide a hydrophobic, protective, but breathable barrier to the skin (allows skin to perspire).

In hair care products, they increase body and shine without buildup and provide better manageability. Higher Viscosity Dimethicones are better suited to add sheen and manageability to hair care products than lower viscosities. They are among the most commonly used conditioning additives. High Viscosity Dimethicones improve both wet and dry compatibility, impart humidity resistance and a soft feel to hair as well as improve shine.

PSF-High Viscosity Dimethicone Fluids are compatible with a wide range of cosmetic solvents and are particularly advantageous when blended with cyclomethicones.

Specifications

Chemical Name	Polydimethylsiloxane
INCI Name	Dimethicone
CAS #	63148-62-9
Product Codes	PSF-5,000cSt PSF-10,000cSt PSF-12,500cSt PSF-30,000cSt PSF-60,000cSt PSF-100,000cSt

Packaging

1-gallon pail.....	3.6kg
5-gallon pail.....	18kg
55-gallon drum.....	200kg
F.O.B. Phila, PA U.S.A.	

Features and Benefits

- High Viscosity
- Excellent Lubrication
- Low Surface Tension: High Spreadability
- Provides a soft, emollient feel to skin
- Prevents stickiness in skin care products
- Compatible with a wide range of solvents
- Hydrophobic: water repellent
- Inert- improves stability and shelf-life of formulations
- Increase body & shine in hair care products
- Seal-in moisture: prevent hair damage

Typical Properties

	5,000cSt	10,000cSt	12,500cSt	30,000cSt	60,000cSt	100,000cSt
Specific Gravity	0.974	0.975	0.975	0.976	0.977	0.977
Refractive Index	1.4036	1.4036	1.4036	1.4036	1.4036	1.4037
Flash Point (Open Cup) °C	315°C	315°C	315°C	315°C	315°C	315°C
Pour Point °C	-50°C	-48°C	-46°C	-42°C	-42°C	-41°C
Surface Tension @ 25°C	21.3	21.3	21.3	21.5	21.5	21.5
Viscosity-temp-coefficient	0.61	0.61	0.61	0.61	0.61	0.61
Thermal Expansion cc/cc/°C	0.00096	0.00096	0.00096	0.00096	0.00096	0.00096
Thermal Conductivity g cal/cm sec °C	0.00038	0.00038	0.00038	0.00038	0.00038	0.00038
Dielectric Strength (volts/mil)	400	400	400	400	400	400

For More Information, Contact:

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