

# JIT SILICONES +

## JIT 350FG (Food Grade) Silicone Fluid

- Water-clear silicone fluid - **350cs Food Grade Formulation**
- Little change in physical properties over a wide temperature range.
- Relatively flat viscosity-temperature slope, and serviceability from -40°C up to 200°C
- Excellent water repellency
- Good Dielectric Properties
- Soluble in a wide range of solvents



### FLUID APPLICATIONS:

**Release Material:** Used alone or as part of a compounded formula, JITS+ Silicone Fluid provides a non-carbonizing mould release for rubber, plastics, and metal die castings.

**Foam Preventative:** Extremely small amounts of the fluid effectively control foam in many processing operations.

**Mechanical Fluid:** Excellent viscosity-temperature characteristics, thermal and chemical stability, shear-breakdown resistance, compressibility, and rubber compatibility make JITS+ Silicone Fluid outstanding for mechanical and hydraulic uses. Uses include hydraulic stabilizers and or damping media.

**Lubricant:** The fluid provides excellent lubrication for most plastic and elastomeric surfaces. Lubricity with metals depends upon the combination involved. Care should be taken to select suitable metals for pumps and other items with moving parts.

### Standard package sizes:

Viscosity: **350cs**

ITEM #	SIZE	NOTE
30000	1 gallon pail	Plastic Pail
30001	5 gallon pail	Plastic Pail
30002	55 gallon drum	Metal Drum

### Available from:

## JIT Silicones +

P.O. Box 24  
Mars, PA 16046  
Phone: (855) JIT-PLUS (855)548-7587

[www.jitsiliconesplus.com](http://www.jitsiliconesplus.com)

# JIT

## 350 cSt Food Grade Silicone Fluid

### FEATURES

- High viscosity index
- Excellent Thermooxidative Stability
- Essential nontoxic and nonbioactive
- Nonstinging to the skin

### COMPOSITION

- Comparable to XIAMETER® PMX-200 Silicone Fluid

Dimethyl polysiloxane fluid

### APPLICATIONS

Food Plant lubricant for incidental contact applications

Surface treatment, release material, lubricant and processing aid in food processing and packaging applications.

### STORAGE

Has a usable life of 60 months from the date of manufacture when stored in original container at below 40°C (104°F)

### LIMITATIONS

JIT 350cs Silicone Fluid is not known to cause any harmful effects.

See Safety Data Sheet for detailed safety information.

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. NOT intended for human injection.

### PACKAGING

JIT Silicone Fluid is available in 55 gallon drums, 5 gallon pails, or 1 gallon pails.

**Special packaging sizes available**

**JIT 350FG Silicone Fluid** is a 350 cSt dimethylpolysiloxane silicone fluid used to improve lubricating characteristics under wide temperature operating conditions. Dimethylsiloxane polymers display an extraordinary combination of fluid properties including excellent thermooxidative stability, high viscosity index, essential nontoxic and nonbioactive and nonstinging to the skin.

### TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact us for assistance in preparing a specification.

Property	Typical Value
Color	Clear
Viscosity, (cSt)	332 - 367.5
Acid Number, BCP	<= 0.01
Pour Point °C (°F)	-100C
Flash Point, Open Cup °C (°F)	>=600 F
Specific Gravity at 25°C (77°F), g/cm <sup>3</sup>	0.966 - 0.972
Refractive Index at 25°C (77°F)	1.4025 - 1.4045

### REGULATIONS

#### United States Regulations

EPA (Environmental Protection Agency)  
40 CFR 180.960

Halal  
Kosher  
Kosher for Passover

#### US FDA Regulations:

21 CFR Section 173.340: "Defoaming Agents" Product is Polydimethylsiloxane (PDMS), see limitations outlined in the 21 CFR before using.  
21 CFR Section 175.105: "Adhesives".  
21 CFR Section 175.300: "Resinous and polymeric coatings".  
21 CFR Section 175.380: "Xylene-formaldehyde resins condensed with 4,4'-isopropylidenediphenol-epichlorohydrin epoxy resins".  
21 CFR Section 175.390: "Zinc-silicon dioxide matrix coatings".  
21 CFR Section 176.170: "Components of paper and paperboard in contact with aqueous and fatty foods".  
21 CFR Section 176.180: "Components of paper and paperboard in contact with dry foods".  
21 CFR Section 176.200: "Defoaming agents used in Coatings".  
21 CFR Section 176.210: "Defoaming agents used in the manufacture of paper and paperboard".  
21 CFR Section 177.1200: "Cellophane".  
21 CFR Section 177.1210: "Closures with sealing gaskets for food containers".  
21 CFR Section 177.1350: "Ethylene-vinylacetate copolymers".  
21 CFR Section 177.1520: "Olefin polymers".  
21 CFR Section 177.2600: "Rubber articles intended for repeated use".  
21 CFR Section 177.2800: "Textiles and textile fibers".  
21 CFR Section 178.3120: "Animal glue".  
21 CFR Section 178.3570: "Lubricants with incidental food contact".  
21 CFR Section 178.3910: "Surface lubricants used in the manufacture of metallic articles".  
21 CFR Section 181.28: "Prior Sanctioned Food Ingredient in the manufacture of packaging materials - Release agent".  
21 CFR Section 177.2260: "Filters, resin-bonded".  
CANADA: This product meets the requirements of the Canadian Food and Drug Act, as listed in Division 16 "Food Additives" Table VIII "Miscellaneous Food Additives" as a direct additive to foods found under listing D.1 "Dimethylpolysiloxane formulations" following the use and restrictions found at said listing.  
This product shall meet the requirements of the E.P.A. regulation "Code of Federal Regulations 40 CFR" concerning "Tolerances and Exemption from Tolerances for Pesticide Chemicals in or on Raw Agricultural Commodities" under Section 180.960: "Polymers; exemptions from the requirement of a tolerance."