

## PS SERIES

## SILICONE FLUIDS

### Silicone Fluids for Special Purpose Industrial Applications

#### Product Description

ASV® PS series are poly dimethyl siloxane fluids. They are clear, water-white oily fluids and are chemically inert, tasteless and odorless. Due to the inherently stronger chemical properties of silicone fluids than most organic fluids, they are more resistant to attack by temperatures, oxidation, shear stresses and chemicals.

ASV® PS Series silicone fluids possess a very high degree of oxidation resistance and are useful within operating temperature ranges of -50°C to +200°C in air and even higher in areas with restricted access to air.

#### Applications

- Due to their high compressibility, these silicone fluids can be used as damping fluids for absorption of shocks and dampening of noises.
- As a hydraulic fluid
- As heat transfer media and coolant for electronic equipment due to their inherently high resistance to oxidation and heat conducting ability even at high temperatures.
- As mold release agent for processing of rubber and plastic components and as lubricants for plastic and rubber parts such as bearings, rods, bushes, seals, gears.
- As a safe lubricants for rubbers, elastomers, plastic components and parts
- Various other industrial applications such as water repellent film over plastic / glass surfaces; polish for plastic surfaces, antifoam agents etc...

#### Benefits

- Operable within a very wide temperature range
- Chemically inert and excellent resistance to most common materials
- Very good oxidation stability at high temperatures
- Excellent thermal stability when exposed to high temperatures
- Provides maximum damping effect
- Unusually high resistance to breakdown and mechanical shearing
- Very good thermal conductivity
- Excellent dielectric properties even over wide operating temperatures
- Non-corrosive, non-toxic, non-staining, highly water repellent and chemically inert

#### Directions for Use

Use as supplied. Never dilute or mix with other oil or grease.

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TECHNICAL PROPERTY							
Parameter	Value					Unit	Standard
FM Series	PS 50	PS 100	PS 350	PS 500	PS 1000		
Type	Silicone based lubricating fluids						In house
Appearance	Clear oils						
Color	water white						Visual
Specific gravity, 25°C	~1	~1	~1	~1	~1	g/cc	ASTM D 1298
Viscosity, 25°C	~50	~100	~350	~500	~1000	mm <sup>2</sup> /s	ASTM D 445
Pour point	-50	-50	-50	-50	-50	°C	ASTM D 227
Flash point	+300	+300	+315	+315	+315	°C	ASTM D 92
Water solubility	Nil	Nil	Nil	Nil	Nil		

TECHNICAL PROPERTY							
Parameter	Value					Unit	Standard
FM Series	PS 2000	PS 5000	PS 10000	PS 12500	PS 60000		
Type	Silicone based lubricating fluids						In house
Appearance	Clear oils						
Color	water white						Visual
Specific gravity, 25°C, g/cc	~1	~1	~1	~1	~1	g/cc	ASTM D 1298
Viscosity, 25°C	~2000	~5000	~10000	~12500	~60000	mm <sup>2</sup> /s	ASTM D 445
Pour point	-50	-50	-50	-50	-50	°C	ASTM D 227
Flash point	+315	+315	+315	+315	+315	°C	ASTM D 92
Water solubility	Nil	Nil	Nil	Nil	Nil		

### General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

### Disposal

All used and unused product should be disposed of in accordance with state regulations.

### Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from ASV or your local ASV distributor.

### Available Packaging

30 kg

### Shelf Life

36 months from date of manufacture in sealed condition.

### Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended ASV product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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