



Technical Information

PS 200 ST

Synthetic Damping Fluid

Product Description

ASV® PS 200 ST is a poly dimethyl siloxane fluid (PDMS). It is a clear, water-white oily fluid and is 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 200 ST possesses a very high degree of oxidation resistance and is useful within operating temperature ranges of -40° 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 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.
- Used as a synthetic damping fluid for package cradle adopter in Autoconer winding machines.

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 repellant and chemically inert

Directions for Use

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

Technical Information

PS 200 ST

Synthetic Damping Fluid

Technical Properties

Property	Value
Type	Silicone lubricating oil
Appearance	Oily liquid
Color	Clear water white
Odor	Nil
Specific gravity, 25° C, g/cc	0.970
Viscosity, 25° C, mm ² /s	2000 (lower viscosity of 1000 mm ² /s also available as PS 200 ST/1000)
Flash point (open cup), ° C	+310
Pour point, ° C	-40
Refractive index, 25° C	1.4030
Dielectric strength kV	35
Surface tension, mN/m	21.5
Soluble in	All organic solvents
Insoluble in	Water

Available Packaging

- 1 kg container

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.

Shelf Life

60 months from date of manufacture in sealed condition

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.

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.

ASV MULTICHEMIE PRIVATE LIMITED

Registered Office: W 46, TTC Industrial Area, MIDC Rabale, Navi Mumbai-400 701, INDIA

Tel: +91 (022) 2764 2514 | E-mail: info@asvmultichemie.com

MOLYSULF® & ASV® Specialty Lubricants & MRO Technical Chemicals.

® Registered trademark of ASV Multichemie Private Limited, INDIA.

THIS PRODUCT IS DEVELOPED AND MANUFACTURED BY US FOR INDUSTRIAL USE ONLY.

Distributed by: