

MOLYDUVAL

Silo D 100 T



Silicone Fluid

Silicone based fluid with unique properties because it is not a petroleum or organic chemistry. Products like this are the first, and still only, major class of polymers which are a product of inorganic chemistry. It has a remarkable diversity of uses - from brake fluids over lubrication to electronics. It makes excellent, safe, low-volatility heat transfer media, mould releases for rubber, plastic and glass parts, lubrication for most non-metal to metal contact and similar. It is found in hydraulic systems, inertial guidance systems, delicate timing and photographic devices, and as dielectric fluids in electronic components, such as capacitors and transformers. Also suitable for polish and other high-gloss water-repellent coatings, antifoams, grease and oil formulations (when mixed with thickeners, such as silica and bentonite). High performance greases can be produced by compounding the silicone fluid with extreme pressure additives, such as polytetrafluoroethylene or molybdenum disulphide.

Properties

- * exceptional lubricating and separating properties
- * water refusing
- * chemically inert to most materials like plastic and rubber
- * high viscosity index
- * non toxic
- * wide temperature range
- * extended drain intervals reduces oil disposal, thus increasing cost effectiveness
- * good oxidation resistance
- * relative good compatible with many usually used sealants
- * high flash point
- * food grade - all components conform to USDA H1 or the FDA regulations for Lubricants in incidental food contact
- * harmless
- * low surface tension
- * very good dielectric behaviour
- * low steam pressure
- * neutral to metal surfaces
- * compatible with many seals and plastics
- * tasteless
- * high compressibility
- * odor less

Applications

- * for assembly of O-rings
- * for heat transmission
- * as additive to care products, washing fluids, plastic cleaners
- * as separating agent in welding
- * as release agent for plastic and rubber molds, foams, and latex
- * as release agent for moulded rubber parts, urethanes, glues, cellulose and derivatives, vinyl's and compounds
- * as heat transfer fluid
- * for sealing of connections in presence of solvents or their vapors
- * as a lubricant for mixers and conveyors
- * as lubricant for rubber, latex, and plastics
- * as water repellent agent for shoes, gloves or the roof of convertibles
- * incorporated as additives into plastics and rubbers as process and release aids
- * incorporated as additives into coatings for flow and level control
- * incorporated as additives into process streams as anti-foams
- * as power transmission and damping fluid

For further information, please see our website <https://www.solano-industries.com>

The technical data in this information sheet represents our present knowledge and is based on our general experience. It is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary tests with the selected product to ensure that the product is safe, effective and fully satisfactory for the intended end use. It does also not form part of any sales contract as guaranteed properties of the delivered material.

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Technical Datas

Color		transparent
Density 20°C	kg/m ³	970
Viscosity 25°C	mm ² /s	100000
Viscosity 40°C	mm ² /s	75000
Viscosity 100°C	mm ² /s	29000
Viscosity Index		125

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