



Factor II, Incorporated

Inventing and Innovating...
(Information: 1.928.537.8387)
ONLINE ORDERING www.factor2.com

PRODUCT INFORMATION **A-310-50, A-310-1000 & A-310-20**

PRODUCT DESCRIPTION:

Silicone fluids that are 100% active dimethylpolysiloxane.

Properties:

- Very good resistance to high and low temperature.
- Good combustion resistance.
- Good dielectric properties.
- Low surface tension.
- High compressibility.
- Absence of aging upon exposure to atmospheric agents.
- Good oxidation resistance.
- Little change in viscosity with temperature.
- Good resistance to high and prolonged shear stress.

Applications:

- Dielectric fluids (impregnation of paper for condensers).
- Anti-blotting products for photocopying machines.
- Thinning and plastifying agents for RTV's and silicone sealants.
- Lubricating and heat protecting agents for textile threads (synthetic sewing threads).
- Ingredients in maintenance products (polishes, wax polishes, floor and furniture polishes, etc.).
- Paint additives (anti-cratering, anti-floating/flooding and anti-scratching effects, etc.).
- Release agents (mould release of plastics and metal castings).
- Lubricants (lubrication of elastomers or plastics on metals).
- Surfactants for styrene-butadiene foam.

Characteristics:



Factor II, Incorporated

Inventing and Innovating...

(Information: 1.928.537.8387)

ONLINE ORDERING www.factor2.com

Appearance: Colorless, limpid liquid

	<u>A-310-50</u>	<u>A-310-1000</u>	<u>A-310-20</u>
Viscosity at 25°C	50	1000	20
Specific gravity at 25°C	0.959	0.970	0.95
Flash Point	280	300	230
Freezing Point(approximate)	-55	-50	-50
Refractive Index at 25° C (approximate)	1.402	1.403	1.400
Surface Tension at 25° C mN/m	20.7	21.1	20.6
Vapor pressure at 200°C, Pa approx.	1.33	1.33	1.33
Thermal conductivity, W/m°C,approx	0.16	0.16	0.14

Packaging:

Available in 16oz and Gallon. Call Factor II for pricing.

WARNINGS ABOUT PRODUCT SAFETY:

Factor II technology believes that the information and data contained herein is accurate and reliable; however, it is the user's responsibility to determine suitability and safety of use for these materials.

Factor II cannot know the specific requirements of each application and hereby makes the user aware that it has not tested or determined that these materials are suitable or safe for any application. It is the user's responsibility to adequately test and determine the safety and suitability for their application. Factor II makes no warranty concerning fitness for any use or purpose. There has been no testing done by Factor II to establish safety of use in any medical application. Factor II has tested this material only to determine if the product meets the applicable specification. (Please contact Factor II for assistance and recommendations when establishing specifications.) When considering the use of a Factor II product in a particular application, you should review the latest Material Safety Data Sheets and contact Factor II for any questions about product safety information you may have.

PATENT WARNING:

Factor II Technology disclaims any expressed or implied warranty against the infringement of any patent. Factor II does not warrant that the use or sale of the products described herein will not infringe the claims of any U.S. patents or other country's patents covering the product itself or the use in combination with other products or in the operation of any process.

IT IS RECOMMENDED THAT THE PURCHASER THOROUGHLY TEST ANY APPLICATION PRIOR TO FULL SCALE PRODUCTION OR COMMERCIALIZATION. INFORMATION CONTAINED IN THIS TECHNICAL PROFILE SHOULD NOT BE TAKEN AS INDUCEMENT TO FRINGE ANY PATENT. FACTOR II WARRANTS ONLY THAT ITS PRODUCTS



Factor II, Incorporated

Inventing and Innovating...
(Information: 1.928.537.8387)
ONLINE ORDERING www.factor2.com

MEET ITS SPECIFICATIONS. THERE IS NO WARRANTY OF MERCHANTABILITY OF FITNESS FOR USE OR ANY OTHER WARRANTIES EXPRESS OR IMPLIED. FACTOR II MAKES NO GUARANTEE OF SATISFACTORY RESULTS

NOTE:

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products.