

# Rhodorsil® Fluid 47V100, 47V350 & 47V1000

## Medium Viscosity Di-Methyl Fluids

**Description** **Rhodorsil® Fluids 47V - Medium Viscosity** products are 100% active dimethylpolysiloxanes. These silicone fluids are linear polymers characterized by low surface tension and excellent thermal stability. **Rhodorsil® Fluid 47V** products are available in a complete range of viscosities between 5 and 1,000,000 cst., extending their usage to a wide variety of industrial applications.

**Applications**

- Mold release and anti-adherence agents
- Hydraulic, heat transfer and dielectric fluids
- Lubricants
- Antifoams
- Additives for paints and coatings
- Additives for maintenance products

**Features**

- Excellent high and low temperature resistance
- Excellent resistance to oxidation and hydrolysis
- Excellent resistance to atmospheric agents: oxygen, ozone, moisture, UV light
- Chemically resistant and non-corrosive
- High compressibility
- Small change in viscosity due to temperature in comparison to non-silicone oils
- Good dielectric properties
- Low surface tension
- Low freezing point

### Typical Properties

	<u>47V100</u>	<u>47V350</u>	<u>47V1000</u>
• Type	----- 100% Active Dimethylpolysiloxanes -----		
• Appearance	----- Clear, colorless liquids -----		
• Viscosity, 25°C, (77°F), cst	100	350	1000
• Specific gravity, 25°C (77°F)	0.965	0.969	0.973
• Flash point, °C, (°F), Open Cup	----- >300 (572) -----		
• Freeze point, °C, (°F)	-55 (-67)	-50 (-58)	-50 (-58)
• Refractive index, 25°C, (77°F)	1.403	1.403	1.404
• Surface tension, 25°C, (77°F), Dynes/cm	20.9	21.1	21.1
• Vapor pressure, 200°C, (392°F) mm Hg	----- 1x10 <sup>-2</sup> -----		

Please note: The typical properties listed in this bulletin are not intended for use in preparing specifications for any particular application of Rhodorsil® silicone materials. Please contact our Technical Service Department for assistance in writing specifications.

**Storage and shelf life** **Rhodorsil® Fluids 47V Medium Viscosity** products when stored in the original, unopened container at room temperatures (5-40°C), have practically unlimited shelf life.

**Safety** Please read the container labels for **Rhodorsil® Fluids 47V Medium Viscosity** products or consult the Material Safety Data Sheet (MSDS) before handling for safe use, physical and health hazard information. The MSDS is not included with the product packaging, but can be obtained by contacting Bluestar Silicones at 866-474-6342 or consult your Bluestar Silicones representative.

**Packaging** **Rhodorsil® Fluids 47V Medium Viscosity** products are supplied in 200 kg and 1000 kg containers. Certificate of analysis for each lot purchased is available on request.

RHODORSIL® is a registered Trademark of Rhodia

# Rhodorsil® Fluids 47V100, 47V350 & 47V1,000

 EUROPE	 NORTH AMERICA	 LATIN AMERICA	 ASIA PACIFIC
<p><i>Bluestar Silicones France</i>            21 Avenue Georges Pompidou            F69486 Lyon Cedex 03            FRANCE            Tel. (33) 4 72 13 19 00            Fax (33) 4 72 13 19 88</p>	<p><i>Bluestar Silicones USA</i>            Two Tower Center Boulevard            Suite 1601            East Brunswick, NJ 08816-1100            United States            Tel. (1) 732 227 2060            Fax (1) 732 249 7000</p>	<p><i>Bluestar Silicones Brazil Ltda.</i>            Av. Maria Coelho Aguiar, 215            Bloco G - 1º Andar            05804-902 - São Paulo - SP -            Brazil            Tel. (55) 11 3747 7887            Fax (55) 11 3741 7718</p>	<p><i>Bluestar Silicones Hong Kong</i>            Trading Co. Ltd.            Unit C, 18/F Manulife Tower            169 Electric Road            North Point-Hong Kong            Tel. (852) 3106 8200            Fax (852) 2979 0241</p>

#### **Warning to the users**

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. BLUESTAR SILICONES guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations. Users are requested to check that they are in possession of the latest version of this document and BLUESTAR SILICONES is at their disposal to supply any additional information.