

BIO-SIL

Antifoams & Emulsions

BIO-SIL Silicone Fluids

350cSt & 1000cSt

TECHNICAL DATA SHEET

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PRODUCT DESCRIPTION

BIO-SIL SILICONE FLUIDS are linear Polydimethylsiloxane containing Trimethylsilyl end groups. Dimethicones are clear, colourless liquids available in a range of viscosities. BIO-SIL SILICONE FLUIDS are mutually miscible; therefore intermediate viscosities can be obtained by blending adjacent viscosities. Food grade fluid is available in 350cSt only.

PACKAGING

All of the above fluids are available in 25kg, 200kg (steel containers) or 1000kg totes.

SAFETY & HANDLING

Information on assessment of the products for the purposes of hazardous materials regulations, safety and toxicological data and information on storage are given in the Material Safety Data Sheets, available upon request.

APPLICATIONS

The properties of silicone fluids result in a wide range of applications including but not limited to:

- Damping Fluid
- Heat transfer media
- Lubricants
- Plasticizers
- De-foamers
- Power transmission
- Dielectric liquids
- Release & demoulding agents
- Waterproofing agents
- Additives for care products incl. polish, detergents and cosmetics

Grade	Kinetic viscosity @ 25°C	Specific gravity @ 25°C	Viscosity Temperature Constant	Volatile matter content 150°C/24hrs (%)	Refractive index	Pour Point - °C	Flash point °C	Surface tension @ 25°C mN/m	Co-efficient of expansion 25°C - 150°C (cc/cc/°C)
BIO-SIL 350 cSt FLUID	350	0.970	0.60	0.5 max.	1.403	50 max.	315min.	21.1	0.00095
BIO-SIL 1000 cSt FLUID	1000	0.970	0.60	0.5 max.	1.403	50 max.	315min.	21.2	0.00094

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