

Bluesil™ FLD 47V60 000

High Viscosity Di-Methyl Fluid

November 2017

Description **Bluesil™ FLD 47V60 000** is a linear dimethylpolysiloxane. Like all products in the **Bluesil™ FLD 47V series**, **Bluesil™ FLD 47V60 000** is characterized by low surface tension and excellent thermal stability. **Bluesil™ FLD 47V** products are available in a complete range of viscosities between 5 and 1,000,000 csts., extending their usage to a wide variety of industrial applications. Like other high viscosity fluids, **Bluesil™ FLD 47V60 000** is particularly well suited for use as a damping/hydraulic fluid and mold release agent.

Features

- Excellent high and low temperature resistance
- Excellent resistance to oxidation and hydrolysis
- Excellent resistance to atmospheric agents: oxygen, ozone, moisture, UV light
- Chemically inert 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

Applications

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

Typical Properties**Typical Properties – as supplied**

| | |
|---|-------------------------|
| • Type | dimethylpolysiloxane |
| • Appearance | clear, colorless liquid |
| • Viscosity, 25°C, (77°F) cst | 60,000 |
| • Specific Gravity, 25°C, (77°F) | 0.973 |
| • Flash Point, (closed cup) °C | 316 |
| • Freeze Point, °C, (°F) | -45 (-49) |
| • Refractive index @ 25°C, (77°F) | 1.4035 |
| • Surface tension @ 25°C (77°F), dynes/cm | 21.5 |
| • Vapor Pressure @ 200°C, (392°F), mm Hg | 1 x 10 ⁻² |

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

Instructions for use Stored in the original, unopened container at room temperatures (5-25°C/41-77°F), **Bluesil™ FLD 47V60 000** has practically unlimited shelf life.

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Regulatory Information

Please read the container labels for **Bluesil™ FLD 47V60 000** 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 Elkem Silicones at 866-474-6342 or consult your Elkem Silicones representative.

Storage and shelf life

Bluesil™ FLD 47V60 000 is available in 200 kg drums. Certificate of Analysis for each lot purchased is available on request.

Visit our website www.silicones.elkem.com

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