

# Bluesil™ V-761F

October 2017

## Silicone Grease

**Description** **Bluesil™ V-761F** is a fluid-grade grease based on a phenyl-containing, low temperature silicone fluid which is thickened with a lithium soap.

- Applications**
- Protect and lubricate mine fuses
  - High and low temperature sealing and protection
  - Lubricant for clock motors and low torque instrumentation
  - Lubricant and corrosion protection for automobiles, boats and bicycle cables

### Typical Properties

| Property  | Test Method                          | Value  |
|---|--------------------------------------|--|
| • Appearance  | ASTM D1084                           | Light tan, homogeneous                           |
| • Temperature Range, °C(°F)                             |                                      | -73 to 204 (-100 to 400)                         |
| • Viscosity, cp (mPa·s)<br>Brookfield, spindle #7, 4rpm |                                      | 1.0  |
| 77°F (25°C)<br>165°F (74°C)<br>-65°F (-54°C)            |                                      | 82,500<br>71,000<br>235,000                      |
| • Evaporation, %, 93°C/24 Hours                         |                                      | 0.3  |
| • Specific Gravity, gm/cc                               |                                      | 0.99   |
| • Bleed, %, 93°C/24 Hours                               | MIL-S-8660C                          | 7.5  |
| • Corrosion Resistance                                  | MIL-G-14931                          | No pitting, etching or discoloration             |
| • Oxidation Resistance, psi (kg.cm <sup>2</sup> )       | ASTM D942                            | 2 drop (0.14)                                    |
| • Dissipation Factor (1kHz)                             | ASTM D150                            | 0.003  |
| • Dirt Content, FS 791                                  | Method 3005                          | 2,600 (7,500 max)<br>450 (1,600 max)<br>0 (none) |
|   | 25 micron<br>75 micron<br>125 micron |  |

Please note: The typical properties listed in this data sheet 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.

**Restrictions** **CAUTION:** Mix thoroughly before use.

Do not use with applications involving highly oxidative chemicals such as pure oxygen, nitrates, peroxides or chlorine; strong mineral acids such as sulfuric, hydrochloric or nitric; strongly alkaline minerals, such as sodium or potassium hydroxide. Do not use on surfaces to be painted. Do not use as a lubricant for metal to metal surfaces.

### Clean Up and Removal

**CAUTION:** Spilled material will cause slippery conditions. Wipe up and clean spills immediately to prevent possible injury by slipping. This material may be cleaned up and removed with non-polar solvents such as mineral spirits, hexane, toluene, and chlorinated ethanes. It is generally unaffected by polar solvents such as alcohols, ketones, ethers, or water. Make sure that the choice of solvent does not affect the substrate being cleaned.

Whenever solvents are used, proper safety precautions must be observed. It is advisable to consider ALL solvents as toxic and use them only in well ventilated areas and wear proper protective equipment such as goggles, gloves, respirators, and protective clothing. Avoid prolonged exposure to solvents. Be aware of their flammability status. Consult applicable OSHA, EPA and other federal, state and local regulations on use and disposal of solvents.

**Bluesil™ V-761F**
**Storage and shelf life**

When stored in its original unopened packaging, at a temperature of 24°C (75°F), **Bluesil™ V-761** may be stored for 18 months from the date of manufacture. Beyond this date, Elkem SILICONES no longer guarantees that the product meets the sales specifications. Comply with the storage instructions and expiry date marked on the packaging. Beyond this date, Elkem SILICONES no longer guarantees that the product meets the sales specifications.


**Safety**

Please consult the Safety Data Sheet of **Bluesil™ V-761**. This rubber system uses an organometallic tin catalyst, which may irritate or burn skin and eyes upon contact. If eye contact occurs, flushing with water for at least 15 minutes should relieve discomfort. If irritation or discomfort persists, obtain medical attention. To obtain a material safety data sheet for this product contact Elkem Silicones at 866-474-6342.

**Packaging**

**Bluesil™ V-761F** is available in 18 kg pails.

**Bluesil™** is a registered Trademark of **Elkem SILICONES**

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**Warning to the users**

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