

# Bluesil™ FLD 47V50

October 2017

## Medium Viscosity Di-Methyl Fluid

**Description** **Bluesil™ FLD 47V50** is a 50 centipoise, non-reactive silicone fluid. It is primarily used as a diluent or thinner to reduce the viscosity of two-part silicone RTV rubbers, and can be used with all Elkem Silicones two-part RTV systems.

**Applications**

- Reduces the viscosity of two-part RTV rubber systems
- Improves the release properties in resin casting molds and transfer print pads

**Typical Properties**

<b>Color</b>	Clear
<b>Viscosity, cps</b>	50
<b>Specific Gravity</b>	0.96

**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.

**Effect of dilution to rubber properties**

<b>Property</b>	<b>Effect</b>
Viscosity	Decrease
Work Time/Pot Life	Increase
Hardness, Shore A	Decrease
Tensile Strength	Decrease
Elongation	Increase slightly
Tear Strength	Decrease
Shrinkage	Increase slightly

**Instructions for use and dilution level guidelines**

The addition of 5 - 10 parts by weight of **Bluesil™ FLD 47V50** added to 100 parts of silicone base rubber (part A), is sufficient to adequately reduce the viscosity for most applications. The addition of 10 parts **Bluesil™ FLD 47V50** is the MAXIMUM level recommended. Adding greater amounts of diluent will significantly affect the physical properties of the cured rubber and may also cause the diluent to bleed out of the cured rubber. High levels of diluent are suggested only for transfer print pad applications.

**Storage and shelf life**

When stored in its original unopened packaging, at a temperature of 24°C (75°F), **Bluesil™ FLD 47V50** may be stored for 36 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.





**Safety**

Please consult the Safety Data Sheet of **Bluesil™ FLD 47V50**.

**Packaging**

**Bluesil™ FLD 47V50** is available in 200 kg containers.

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