

# Bluesil™ SP FX DEADENER 10

October 2017

## Viscosity and Resilience Reduction

**Description** **Bluesil™ SP FX DEADENER 10** is an additive for polyaddition (platinum) cured Moldmaking and special effects silicone products.

**Applications**

- Special Effects – for production of realistic “flesh-like” props for non-skin contact applications
- Shock Resistance – low loss modulus

**Features**

- Lower durometer/hardness when added to polyaddition cured silicone products
- Higher tear strength compared to competitive low resilience product additives
- No post-cure is needed after initial cure is completed

**Typical Properties**

**Typical Properties of Additive Alone**

<i>Property</i>	<i>Value</i>
Viscosity, 25°C (77°F), cps	2200
Specific gravity	0.97
Appearance	Colorless to light straw

**When 50 parts of Bluesil™ SP FX DEADENER 10 are added to 50 parts of Bluesil RTV 3611 QC A/B**

<i>Property</i>	<i>Value</i>
Durometer, Shore A	9
Pot Life, min	30

*\*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.*

**Blending**

**Preferred mixing method:**

- 1) Weigh out the appropriate amount of the **Bluesil™ RTV 36xx Part B**.
- 2) Add the desired amount of **Bluesil™ SP FX Deadener** additive to the Part B and mix with standard mechanical mixing equipment.
- 3) Add the **Bluesil™ RTV 36xx Part A** to this blend and mix with standard equipment.

\*Note: For less than 1 kg quantities, hand mixing with a clean spatula for several minutes is sufficient. The order of addition described here yields the best results.

**Second mixing method:**

- 1) Mix **Bluesil™ RTV 36xx Parts A&B** as per the appropriate technical data sheet.
- 2) Add the **Bluesil™ SP FX DEADENER 10** additive to the mixed silicone and blend using standard mechanical mixing equipment.





\*Note: For less than 1 kg quantities, hand mixing with a clean spatula for several minutes is sufficient.

Mixing **Bluesil™ SP FX DEADENER 10** with the **Bluesil™ RTV 36xx Part A** alone should not be done. Gelation will occur.

## Bluesil™ SP FX DEADENER 10

<b>Curing</b>	<p>Addition of <b>Bluesil™ SP FX DEADENER 10</b> additive tends to slow the cure of two-part polyaddition products. Heat can be used to accelerate the cure or the use of <b>Bluesil™ PT ACC</b>.</p> <p>The product cures sufficiently at levels even up to 175 parts of <b>Bluesil™ SP FX DEADENER 10</b> additive to 100 parts of mixed <b>Bluesil™ RTV 3611 QC A&amp;B</b> by allowing the product to cure 24 hours at 25°C or 1 hour at 70°C.</p>
<b>Storage and shelf life</b>	For shelf life, please refer to the expiry date (to be used before « month-year ») marked clearly on the packaging.
<b>Safety</b>	Please consult the Safety Data Sheet of <b>Bluesil™ SP FX DEADENER 10</b> .
<b>Packaging</b>	<b>Bluesil™ SP FX DEADENER 10</b> is available in multiple packages. Please consult with our team.

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