



"YOU SUPPLY THE TALENT... WE'LL SUPPLY THE REST!"

# THE COMPLEAT SCULPTOR

## Resilpom F - Food Safe Silicone TECHNICAL DATA SHEET

April 2005

Resilpom F is a two component silicone elastomer that cures at room temperature by polyaddition reaction, at a 1:1 ratio. It is designed to be used for molding in a variety of applications.

### FEATURES

- Easy to use viscosity • Low linear shrinkage
- Excellent reproduction of details • No release of toxic substances during and after curing
- Excellent mechanical properties • High resistance to inorganic chemicals and ultraviolet rays

### TYPICAL PROPERTIES - AS SUPPLIED

#### Part A - Base Component

- Color: Translucent
- Viscosity, cps: 6,000

#### Part B - Curing Agent

- Color: Translucent
- Viscosity, cps: 6,000

### TYPICAL CATALYZED PROPERTIES

Mixed at 24°C (75°F) and 50% R.H.

- Mix Ratio, A:B (Parts by weight): 1:1
- Pot Life, min. <sup>(1)</sup>: 3
- Mixed Viscosity, cps: 6,000
- Demold Time, min.: 15

(1) Time at which material gels. Higher temperatures reduce these times – lower temperatures increase these times

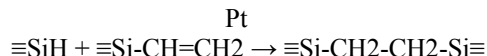
### TYPICAL PROPERTIES OF CURED RUBBER, after 24 hours @ 23°C

<i>Property</i>	<i>Test Method</i>	<i>Value</i>
• Color		Translucent
• Specific Gravity		1.1
• Hardness (Shore A)	ASTM D2240	20
• Tensile Strength, psi (N/mm <sup>2</sup> )	ASTM D412	580 (4)
• Elongation (%)	ASTM D412	500
• Tear Resistance, ppi (N/mm)	ASTM D624, Die B	86 (15)

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

### CURING

Resilpom F cures by polyaddition reaction of silicone reactive groups ( $\equiv\text{SiH}$ ) with silicone unsaturated polymers (such as  $\equiv\text{Si-CH=CH}_2$ ), summarized as:



### APPLICATION

Add 100 parts of Resilpom F part A to 100 parts of Resilpom F part B. Mix thoroughly in a clean vessel for one minute with gentle agitation to avoid air bubbles. Pour on pattern and demold after 15 minutes.

**WARNING:** For mixing use only clean stainless steel or plastic vessels. Crosslinking of RTV vulcanising by polyaddition reaction may be inhibited by contact with:

- heavy metal salts
- amines
- sulfur and derivatives
- catalysts of epoxy resins

### STORAGE & SHELF LIFE

Resilpom F may be stored in unopened containers for 6 months from date of manufacture at temperatures less than 30°C.

### SAFETY

Before handling, consult the Material Safety Data Sheet and container labels for safe use, physical and health hazard information.

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