

# Soma Foama® 15

Silicone  
Smooth-On, Inc

Message:

Soma Foama® 15 is a soft, two-component platinum silicone flexible foam that is versatile and easy to use. Mixed 2 Parts A: 1Part B by volume, foam can be poured into a mold or over other surfaces. Pot life (working time) is 50 seconds at room temperature (73°F / 23°C) and handling time is 20 minutes at room temperature and full cure is 1 hour. Foam expands 4 times its original volume and develops a uniform 15 lb./cu. ft. cell structure (240 kg/m³). Vibrant colors can be achieved by adding Silc-Pig® silicone color pigments. Cured foam is high heat resistance (will resist up to 350°F / 176°C), water resistant, UV resistant and resists oxidation and ozone degradation. Soma Foama® 15 can be used for a variety of industrial and special effects applications including making foam filled appliances, padding/seat cushioning, orthotics/orthopedics, potting and encapsulation of electrical circuits and vibration dampening.

| General Information     |                            |       |             |
|-------------------------|----------------------------|-------|-------------|
| Features                | Foamable                   |       |             |
|                         | Good Flexibility           |       |             |
|                         | Good UV Resistance         |       |             |
|                         | High Heat Resistance       |       |             |
|                         | Low to No Water Absorption |       |             |
|                         | Oxidation Resistant        |       |             |
|                         | Ozone Resistant            |       |             |
| Uses                    | Foam                       |       |             |
|                         | Industrial Applications    |       |             |
|                         | Modeling Material          |       |             |
| Appearance              | Off-White                  |       |             |
| Processing Method       | Casting                    |       |             |
|                         | Encapsulating              |       |             |
|                         | Potting                    |       |             |
| Physical                | Nominal Value              | Unit  | Test Method |
| Specific Gravity        | 0.239                      | g/cm³ | ASTM D1475  |
| Apparent Density        | 0.24                       | g/cm³ | ASTM D1895  |
| Thermoset               | Nominal Value              | Unit  | Test Method |
| Pot Life                | 0.50                       | min   | ASTM D2471  |
| Thermoset Mix Viscosity | 10000                      | cP    | ASTM D2393  |
| Demold Time             | 60                         | min   |             |
| Additional Information  | Nominal Value              | Unit  | Test Method |
| Handling Strength       | 20.0                       | min   |             |

2A:1B by volume

Mixing Ratio 100A:47B by weight

Volumetric Expansion 4 times

Volumetric Yield 4.15 cm<sup>3</sup>/g

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

