

Silbione® HS gel Flesh 5 CLR

October 2017

Silicone Gel

Description Silbione® HS Gel Flesh 5 CLR is a two part, platinum cure, 100% solids, pure dimethyl silicone gel, designed for applications requiring a responsive, high strength gel.

Applications Cushioning, Dampening, Potting, Soft tissue prosthetics

- Advantages**
- Superior clarity
 - Excellent adhesion to many polymer films
 - Consistent performance (penetration)
 - Rapid curing at elevated temperatures
 - Low volatile content

Typical Properties

Typical Properties Mixed

Mix ratio = 1:1 BS: XL

- | | |
|----------------------------------|-----|
| • Pot Life, 23°C, hrs. | 3.5 |
| • Viscosity, cps | 250 |
| • Volatiles, weight % after cure | <1 |

Typical Properties of Cured Products

Test Method

Unit

Value

- | | | | |
|--|----|----|---|
| • Penetration, cured 15 min., 150°C
KIC penetrometer, 1/4" Foot | NA | mm | 4 |
|--|----|----|---|

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

Instructions for use Parts A and B components of Silbione® HS Gel Flesh 5 CLR are designed to be mixed at a ratio of 1 part A (BL) to 1 part B (XL) by weight or volume using meter-mix processing equipment or batch mixing techniques. Airless mixing, metering and dispensing equipment are recommended for production.

Curing Curing is typically achieved in 15 minutes at 120°C. The cure rate can be increased by increasing temperature.

Precautions Accurate measuring and complete mixing are essential factors in obtaining consistent results. Special care must be taken to insure clean molds and clean work areas with no organic rubbers used on the same processing equipment. In general, contact with polymer systems containing the following materials can inhibit the crosslinking of the product:

- sulfur
- metallic salts, e.g. tin compounds
- amines
- nitrogen oxide
- carbon monoxide

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Storage and shelf life

Silbione® HS Gel Flesh 5 CLR when stored in its original unopened packaging, at a temperature of 30°C, may be stored for 24 months from the date of manufacture. Beyond this date, Elkem Silicones no longer guarantees that the product meets the sales specifications.




Safety

Please read the container labels for **Silbione® HS Gel Flesh 5 CLR** or consult the Safety Data Sheet (MSDS) before handling for safe use, physical and health hazard information.

Packaging

Silbione® HS Gel Flesh 5 CLR is available in 18kg and 200kg packages.

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