



Liveo™ MG 7-9850 Soft Skin Adhesive Kit (A & B)

Silicone Adhesives

Soft elastomeric silicone adhesive for adhering medical devices to the skin with low adhesion force and gentle removal.

Composition

Two-part platinum catalyzed, fillerless, elastomeric silicone adhesive

Applications:

Liveo™ MG 7-9850 Soft Skin Adhesive is intended for medical device applications that require low adhesion to the skin with gentle removal, including over-the-counter bandages, scar therapies and advanced wound care dressings.

Features

- Transparent before and after curing
- Platinum-catalyzed cure
- No cure by-products
- Solvent-less
- Two parts with similar viscosities and 1:1 mixing ratio
- Low viscosity before curing

Benefits

- Biocompatible
- Tacky
- Low adhesion to the skin
- Gentle removal from skin
- No residue upon removal
- Repositionable
- Low peel release force from polyethylene and polypropylene liners
- Easily processable two-parts system
- Adjustable adhesion force level depending on adhesive coat weight

Regulatory & Biocompatibility information

Product Regulatory Information document as well as Summary of health data are available from our DuPont website or upon request.

Packaging

These products are supplied in 30 kg pail or 320 kg drum size kits. Samples are available in 908 g kits. Each kit contains equal portions of Part A and Part B.



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Quality information

The FDA registered and ISO 9001:2015 certified Healthcare Industries Materials Site (HIMS site) is responsible for ensuring consistent product quality.

Rheological properties

Viscosity, component A	3 Pa.s
Viscosity, component B	3 Pa.s

Application technique

Pot life	20 min
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Cured properties

Penetration after cure, 62.5g cone	135 mm/10
Release, polyethylene	0.03 N/2.5cm
Adhesion, polycarbonate	1.1 N/2.5cm

Storage and stability

Shelf life	12 ¹ months
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1: when stored at or below room temperature in the original unopened containers

Characteristics

Compatibility	Polyurethane, Silicones
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Additional Information

How to use

Mixing:

Thoroughly mix the desired amount part A and part B in a 1:1 ratio by weight. Static mixers are recommended mixing tools. During mixing, care should be taken to minimize air entrapment. Airless mixing, metering and dispensing equipment is recommended for large production processing.

De-airing:

If a void-free finished part is desired, the entrapped air must be removed from the mixed materials. Exposure to a residual pressure of 711 Torr for several minutes is typically adequate. The vessel containing the material should be at least four times the volume of the mixture to allow for expansion.

Coating:

The suggested coating method is knife over roll. Suggested coating thickness is from 0.1mm to 0.5mm (approximately 100g/m²-500g/m²). Thicker coats can be applied if more elastomeric properties are desired.

Curing:

The cure reaction will begin once the two parts have been mixed. The initial



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viscosity will at least double within 20 minutes at 25°C. The cure reaction will occur at room temperature; however heating will accelerate the process.

Cleaning:

To remove uncured adhesive, Liveo™ Q7-9180 (0.65cst) Silicone Fluid, isopropyl alcohol, ethyl acetate, xylene or heptane can be used. When the adhesive is cured, the greater part should be removed by mechanical means and only the remaining material should be removed with one of the aforementioned solvents.

Safety Warning

Before handling, please consult the corresponding material safety data sheets. These are available upon request or can be downloaded from our DuPont website :

Chemical Media Resistance

Sterilisation methods

- ✓ Ethylene Oxide

Symbols used:

- ✓ possibly resistant
Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).
- ✗ not recommended - see explanation
Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).

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