



Liveo™ MG-2401

Silicone Adhesives

Solvent based silicone pressure sensitive adhesive for adhering medical devices to the body.

It is supplied as solvent based material. It can be coated as supplied, and then will leave an adhesive layer after solvent evaporation.

Composition

Silicone adhesive produced through a condensation reaction of a silanol end blocked polydimethylsiloxane (PDMS) with a silicate resin, supplied in hexamethyldisiloxane as solvent.

Applications

This Silicone Adhesive is intended for adhering medical devices to the body such as ileostomy and colostomy appliances, patient monitoring devices, surgical dressings and pads, external prosthetic devices and hairpiece devices.

Features

- Transparent
- Solvent based
- Low viscosity

Benefits

- Non-sensitising
- Non-irritating
- Brushable

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 typically supplied in 16 kg pails and 180 kg drums, net weight.

Samples are available in 450g bottles.

Quality information

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

Liveo™ MG-2401

Silicone Adhesives

Product information

Solvent	Hexamethyldisilo - xane
Solid content	32 %

Rheological properties

Viscosity	90 mPa.s
Complex viscosity, 0.01 rad/s at 30°C	2E6 Pa.s

Tape properties

Shear strength, 6.3 cm ² tape	21 kg
Tack level	Medium -
Peel adhesion, stainless steel	700 g/cm

Thermal properties

Flash point	0.6 °C	ASTM D 92
-------------	--------	-----------

Storage and stability

Shelf life	72 ¹ months
------------	------------------------

1: stored at or below room temperature in the original unopened containers

Characteristics

Compatibility	Silicones, Metals
---------------	-------------------

Additional Information

How to use

How to apply

Liveo™ MG-2XXX Silicone Adhesives can be directly applied to a substrate, as supplied, using conventional tape coating equipment. However, compatibility of the substrate with the solvent should be checked in advance. In case of incompatibility of the substrate with the solvent, it is recommended to coat on suitable release liner and then transfer-coat the dry adhesive layer on the substrate. Release liners composed of a fluoropolymer are recommended for use with these adhesives.

These solvent based silicone pressure sensitive adhesives can also be directly applied to clean substrate by brushing. Full evaporation of the solvent should be ensured before contact with the skin is made.

How to remove

From the skin: When removing dried traces of Liveo™ MG-2XXX Silicone Adhesives from the skin, either Liveo™ MG-2001 Silicone Blend, Liveo™

Liveo™ MG-2401

Silicone Adhesives

Q7-9180 Silicone Fluid (1.0 cSt), Liveo™ TI-1050 Fluid (1.5 cSt) or USP isopropyl alcohol is recommended.

From other surfaces: when removing Liveo™ MG-2XXX Adhesives from substrates other than skin, Liveo™ MG-2001 Silicone Blend, Liveo™ Q7-9180 Silicone Fluid (1.0 cSt), Liveo™ TI-1050 Fluid (1.5 cSt), isopropyl alcohol, ethyl acetate or heptane is recommended.

Some of these solvents may cause skin irritation and are highly flammable; appropriate precautions should be taken. They may also deteriorate certain substrates, such as some plastics, and should be used with appropriate precautions.

When removing Liveo™ MG-2XXX Silicone Adhesives from a substrate, and more particularly from skin, apply the appropriate solvent liberally to a clean cloth or gauze pad and wipe the surface clean. Reapplication may be necessary if the residual adhesive layer is heavy.

Precautions

The solvent carriers used in these silicone pressure sensitive adhesives are flammable liquids with low flash points and must be handled with care. Avoid handling the products near open flame or heat sources. Bound or ground containers to prevent static electrical discharge.

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).



Liveo™ MG-2401

Silicone Adhesives

Revised: 2020-09-03

Page: 4 of 4

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract or other acknowledgement that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.
© 2020 DuPont. All rights reserved.