Liveo™ MG-2502

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 ethyl acetate 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
- Long wear time (more than 8 days)
- Coatable using conventional tape coating equipment

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.

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Product information

Solvent	Ethyl acetate	-
Solid content	59	%

Rheological properties

Viscosity	2000	mPa.s
Complex viscosity, 0.01 rad/s at 30°C	500000	Pa.s

Tape properties

Shear strength, 6.3 cm² tape	16	kg
Tack level	High	-
Peel adhesion, stainless steel	670	g/cm

Thermal properties

Flash point	-4	°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™ 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 Oxyde

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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