

PRODUCT INFORMATION

B-530

ADHERE PRESSURE SENSITIVE ADHESIVE

Type:

Pressure sensitive
adhesive

Physical Form:

Liquid

Special Properties:

Moisture resistant
Temperature resistant
Adheres to many surfaces

Primary Use:

Adhering devices to the
Body

PRODUCT FEATURES

B-530 is a pressure sensitive silicone adhesive (PSA) in a proprietary non-flammable solvent (NFS) base. It is a single component specifically designed for adhering prosthetic and other medical devices to dry body surfaces. It is supplied as a 23% silicone adhesive solution which evaporates quickly.

When properly applied and bonded, adhesive qualities are retained in the presence of moisture or perspiration. Adhesive properties are temperature resistant. Provides adhesion to many surfaces for prolonged periods.

DETAILS

- Non-flammable
- Non-conductive
- Latex-free
- Low-toxicity
- Low-Global Warning Potential (GWP)
- Zero ozone depleting potential
- Low toxicity

The characteristics of the solvent make this an ideal replacement for ozone depleting, chlorinated solvents and n-propyl bromide in many applications.

APPLICATIONS

- Attaching appliances to the skin for patient monitoring
- Affixing surgical dressings and pads to the skin
- Adhering external prosthetic devices and appliances to the skin
- Hairpiece adhesion

INSTRUCTIONS FOR USE

B-530 silicone adhesive may be used where a non-sensitizing adhesive is needed to adhere devices to the body. For maximum adhesion, the adhesive should be applied liberally to clean substrates and the solvent allowed to fully evaporate before contact with the skin is made.

B-530 is only recommended for use on silicone appliances and should not be applied directly to tissue. Allow the solvent to fully evaporate for best results. B-530 is not intended for use on skin with any type of compromised issues. Only apply the appliance(s) after the solvent has fully evaporated and only to healthy tissue.

TOXICOLOGICAL and BIOCOMPATABILITY INFORMATION

This material was designed to pass USP Class VI. This product is manufactured under GMP guidelines CFR, Part 820. Users must carefully review literature for uses where adverse effects are reported for certain applications of silicone in medical devices. The user of this material must independently determine that any product incorporating this material is safe and effective for their use. This product is a non-flammable low boiling liquid.

This product is based on polydimethyl siloxane compounds known for low toxicity and skin irritation properties. A sample of the material has been tested for primary skin irritation and was found to be non-irritating.

Parameters	Spec	Typical
% solids measured (10mins 150C), %	23-25%	23.5±1.5%
Viscosity, cP (Brookfield LVT viscometer, #2 spindle @ 60 RPM)	50-200	150±17
Peel strength, lb/in	>1.5	3.5±0.95

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