

LOCTITE ABLESTIK 5500SB

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PRODUCT DESCRIPTION

LOCTITE ABLESTIK 5500SB provides the following product characteristics:

Technology	Thermoplastic polyimide
Appearance	Amber
Adhesive Thickness	20 µm each side
Carrier Film Thickness	50µm
Total Thickness	90µm
Cure	Non-curing
Product Benefits	<ul style="list-style-type: none"> • High reliability • High mechanical strength • High purity • Low Tg • Fast attach • Electrically non-conductive • Low temperature attach • Low outgassing • Low ionic impurities
Application	Medical

LOCTITE ABLESTIK 5500SB series tape adhesive is tailored for high speed operations where dwell time and pressure must be minimized. The adhesive is coated onto both sides of a polyimide carrier.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Shelf Life in original vacuum sealed packaging or under 730 dry conditions @ 25°C (from date of manufacture), days
Flash Point - See SDS

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties

Glass Transition Temperature (Tg) by DSC, °C	155
pH	6.5
Water Extract Conductivity, µmhos/cm	<10
Weight Loss @ 30 to 300°C, %	1.4
Extractable Ionic Content @ 100 °C, 24 hours, ppm:	
Chloride (Cl ⁻)	<10
Sodium (Na ⁺)	<10
Potassium (K ⁺)	<5

GENERAL INFORMATION

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

DIRECTIONS FOR USE

1. Please contact your Henkel Technical Service representative for details on directions for use regarding your specific application.

AVAILABILITY

1. LOCTITE ABLESTIK 5500SB adhesive film is available in sheet stock or die cut preforms dimensioned to customer drawings.

Not for product specifications

The technical data contained herein are intended as reference only. Please contact your local quality department for assistance and recommendations on specifications for this product.

Storage

Store in tightly sealed, original containers at ambient temperature.

Conversions

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{inches}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} = \text{N/mm}^2$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{m} \times 0.738 = \text{lb}\cdot\text{ft}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

Disclaimer

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

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