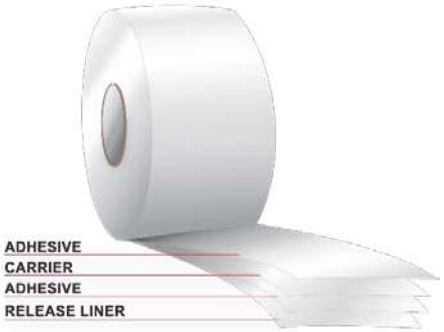
The Tape Lab

TTL-5112
Double Sided Tape

TTL-5112 is a double-coated tape with specially designed High holding strength adhesives on both the liner and air sides. The tape is constructed with a medical grade rubber based adhesive on the air side and a medical grade acrylic adhesive on the liner side.

Designed for a variety of medical industry end uses that include: direct skin bonding, fabric/substrate design and medical device application. Excellent adhesion to a variety of substrates. Polyester carrier offers additional dimensional support and enhanced die-cut ability. Meets 21CFR0175.105 indirect food contact requirements.



Features

- Permanent biocompatible adhesive
- For a variety of medical uses
- Excellent adhesion to a variety of substrates
- Latex free

Biocompatibility Information:

Cytotoxicity: Pass Irritation: Pass Sensitization: Pass

Outside biocompatibility testing laboratory ISO10993 compliant and tested in accordance with FDA and cGMP practices for PSA in construction.

Product Construction

Air Side Adhesive	1.6mil	0.04mm	PSTC-133 / ASTM D3652
PET Carrier	0.5mil	0.01mm	
Liner Side Adhesive	2.0mil	0.05mm	
76# Liner	5.6mil	0.14mm	
Total	**9.7mil**	**0.24mm**	

Peel Adhesion

SS - air side adhesive	108ozf/in	1182N/m	ASTM D3330 / PSTC-101
SS - liner side adhesive	96ozf/in	1051N/m	12 IPM @ 180°, 20 minute dwell
ABS - air side adhesive	90ozf/in	985N/m	
ABS - liner side adhesive	75ozf/in	821N/m	

Shear

Air side	>10,000 minutes	PSTC 107 / ASTM D3654 1” x 1” sample size x 500 grams
Liner side	>10,000 minutes	

Elevated Temperature Test

Air side	180°F	82°C	Modified ASTM D4498
Liner Side	240°F	116°C	

Note: the listed values are typical only and not intended to serve as product specification.

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Liner

Liner and PSA compatible when exposed to Gamma (30, 60 & 90) and Ethylene Oxide (EtO) Sterilization processes.

Application Temperature Range

50°F – 100°F 10°C – 38°C

Surface Preparation

It is essential with all pressure sensitive adhesive tapes that application surface must be clean, dry and free of grease, dirt or other contaminants.

Storage and Shelf Life

Within one year of purchase, if stored with protective packaging in a controlled environment (72°F / 22°C and 50% RH), out of direct sunlight.

Limited Warranty

Unless stated otherwise in The Tape Lab literature, packaging inserts or product packaging for individual products, TTL warrants that each TTL product meets the applicable specifications at the time TTLships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. TTL makes no other warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or any implied warranty arising out of a course of dealing, custom or usage of trade. User is responsible for determining whether the TTL product is fit for a particular purpose and suitable for user's application. If the TTL product is defective within the warranty period, your exclusive remedy and TTL's and seller's sole obligation will be, at TTL's option, to replace the product or refund the purchase price.

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