



# PERFORMANCE GUIDE

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**PRODUCT:** TM1050

## PRODUCT DESCRIPTION

TM1050 is a 2.0 mil unsupported transfer medical grade acrylic adhesive protected by a 72# PCK liner.

TM1050 is designed for applications that require good adhesion to a broad range of surfaces including foams, felts, plastics and metals. TM1050 can be used for device assembly and the acrylic adhesive is approved for direct skin contact.

## PRODUCT CONSTRUCTION

**Adhesive:** Acrysure Next Gen medical grade solvent-free acrylic adhesive has been formulated for sustained contact with human skin. It has been assessed by an independent bio-medical laboratory following ISO-10993 guidelines for skin contact properties. Specific test procedures and results are available upon request.

**Liner:** 72# PCK with a release coating on both sides.

## PHYSICAL PROPERTIES

*Values given are typical and are not necessarily for use in specifications.*

Performance Test	Unit of Measure	Typical Values	Testing Method
<b>180° Peel Stainless Steel</b>			
30 minute dwell	<b>lbs./in width</b>	<b>6.50 (28.6)</b>	<b>PSTC – 101 (Method A)</b>
24 hour dwell	<i>(N/25mm)</i>	<b>7.20 (31.7)</b>	
<b>Loop Tack</b>	<b>lbs./in<sup>2</sup> (N/25mm)</b>	<b>3.0 (13.2)</b>	<b>PSTC-16</b>
<b>Shear 1kg @ 72°F</b>	<b>hours</b>	<b>75</b>	<b>PSTC – 107</b>
<b>Thickness</b>			
Adhesive	<b>inches (microns)</b>	<b>.0020 (51)</b>	

## TEMPERATURE RANGE

Application Temperature Range: 45°F - 120°F

Service Temperature Range: -50°F - 300°F depending on laminate construction and end use application.

## **ATTRIBUTES**

- Chemically inert
- Broad temperature range
- Good adhesion to a wide range of surfaces
- Excellent cohesive strength
- Sterilizable by all methods including gamma, ETO, autoclave and e-Beam.

## **SHELF LIFE**

Two year shelf life when stored at 75°F. (24°C.) and 50% relative humidity or less. It is recommended that the product be stored in its original package until ready to use.

## **STATEMENT OF RECOMMENDATION**

This product should be tested thoroughly in final converted form under end-use conditions to ensure it meets the requirements of the specific application.

*\* Values given are typical for unprocessed product and are not for use as specifications. Processing may change the values.*

**CALL 1-800-255-9733 for additional product information**

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