



# PERFORMANCE GUIDE

Revised: 7/2016 JNP

**PRODUCT:** TM8710A

## PRODUCT DESCRIPTION

TM8710A is a .5 mil PET coated on two sides with a medical grade synthetic rubber adhesive. The adhesive is protected by a 60# SCK release liner.

TM8710A was designed for attaching medical devices to human skin. Typical applications include surgical drape, ostomy, wound care dressings and medical device assembly.

## PRODUCT CONSTRUCTION

**Carrier:** .5 mil clear PET

**Adhesive:** MP-899 medical grade synthetic rubber adhesive has been formulated for sustained contact with human skin. The adhesives have 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:** 60# Silicone coated bleached kraft liner with a release system on both sides.

## PHYSICAL PROPERTIES

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

Performance Test	Unit of Measure	Typical Values		Testing Method
		Liner	Unwind	
<b>180° Peel Stainless Steel</b> 30 minute dwell 24 hour dwell	<b>lbs./in width</b> <i>(N/25mm)</i>	<b>6.8</b> (30.2)	<b>6.8</b> (30.2)	<b>PSTC – 101 (Method A)</b>
<b>Loop Tack</b>	<b>lbs./in<sup>2</sup></b> (N/25mm)	<b>10.4</b> (46.3)	<b>10.4</b> (46.3)	<b>PSTC-16</b>
<b>Shear 1,000 gms @ 72°F</b>	<b>Hours</b>	<b>170</b>	<b>170</b>	<b>PSTC – 107</b>
<b>Tensile</b>	<b>lbs./in<sup>2</sup></b> (N/25mm)	<b>10</b> (44.5)		<b>ASTM – D882</b>
<b>Elongation</b>	<b>percent %</b>	<b>100+</b>		<b>ASTM – D882</b>
<b>Thickness</b> Carrier & adhesive Liner	<b>inches</b> (microns)	<b>.0047</b> (104) <b>.0035</b> (89)		

\* Tensile and Elongation values are for the carrier only.

## **TEMPERATURE RANGE**

This product is intended for use at ambient temperatures.

## **ATTRIBUTES**

- Excellent initial adhesion
- Low adhesion build over time
- Excellent cohesive strength
- Clean removal from skin without skin trauma
- Excellent adhesion to low surface energy surfaces
- Sterilizable
- Pyrogen Free
- Natural and Synthetic Latex Free
- PVC Free
- Nickel Free

## **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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