



## Preliminary Technical Information Sheet

### 3M™ Medical Specialty Tape

#### 1597 Two-in-One DC Polyester Tape (formerly MSX-7018NP)

Effective Date: April 2015

Supersedes all previous information sheets

#### Product Description:

#1597 is differential double-coated polyester film tape that uses synthetic rubber and tackified acrylic adhesives that were designed for medical applications. The tape is supplied on a double-coated 60# Bleached Kraft paper release liner covering the acrylic adhesive side of the tape.

#### Features and Benefits:

- Two Adhesive Systems
- Tackified acrylic adhesive for skin adhesion
- Synthetic rubber adhesive for low surface energy (LSE) plastics
- No Natural Rubber Latex
- Medical and Retail Device Applications
- EtO and Gamma compatible

#### Prototype Composition:

<b>Tape caliper, no liner</b>	3.9 mils (0.1 mm) Synthetic rubber/Acrylic '2-in-One' DC Tape
<b>Carrier</b>	0.92 mils (0.02 mm) Transparent Polyester Film
<b>Adhesives, Open (Face) Side Paper (Back) Side</b>	Synthetic Rubber-based, designed for medical use Tackified Acrylic, developed for medical and surgical use
<b>Release Liner</b>	60 lb. Printed Bleached Kraft paper, silicone release (3.5mil/0.09mm)

#### Prototype Properties<sup>1</sup>:

<b>Adhesion to Stainless Steel, SR Side Acr Side</b>	175 oz/inch width (5 kg/25.4 mm)(48.6 Newtons) 40 oz/inch width (1.1 kg/25.4 mm)(11.1 Newtons)
<b>Liner Release, Preliminary (Acr side)</b>	10 gm/inch width (10 gm/25 mm)

<sup>1</sup> Properties listed based on very limited data and subject to change.

#### Prototype Roll Description: Tape supplied on 3-inch (76 mm) diameter cores.

<b>Length</b>	700 yards (640 m) ± 2% Maximum
<b>Width</b>	48 inch (122 cm) ± 1/32 in (1.0 mm)

#### Prototype Shelf Life and Storage Conditions:

Product as supplied in original packaging will maintain stated test properties for a period of up to two years when stored at temperatures of 50-80°F (10-27°C) and a relative humidity between 40-60 percent.

**Please see reverse side for important product, safety and warranty information.**

**Product and Safety Information:** User is solely responsible for determining the suitability of 3M samples and products for the intended use including any necessary safety or toxicity assessment. 3M will provide Material Safety Data Sheets and results of toxicity testing upon request. In every case before using any product in full scale production users should conduct their own tests to determine to their own satisfaction whether the product is of acceptable quality and is suitable for their particular purposes under their own operating conditions.

**Notice:** Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendations to practice any invention covered by any patent, without authority from the owners of this patent.

### Warranty Information

All statements, technical information and recommendations herein are based on tests 3M believes to be reliable, but the accuracy or completeness thereof is not guaranteed. 3M warrants only that products will meet 3M's specifications at the time of shipment to the customer. 3M does not offer any other warranty and does not warrant the performance, safety or such other characteristics of Products in combination with other materials. 3M specifically DOES NOT warrant Products for any intended or unintended uses (whether or not foreseeable); for compatibility or suitability with other components or compatibility with any methods of manufacture or conversion. The foregoing warranty is made in lieu of all other warranties, expressed or implied, including the implied warranties of merchantability, fitness for a particular purpose and freedom from non-infringement.

**Limitation of Remedies:** If products are proven not to meet 3M's specifications, the sole and exclusive remedy available and 3M's only obligation shall be, at 3M's option, to replace such quantity of Products which are proven out of specification or to refund the purchase price paid for Products.

**Limitations of Liabilities:** The remedies provided herein are exclusive remedies against 3M for any alleged or actual nonconformance to specifications or defect or other failure in products or for 3M's performance of its supply obligations. Under no circumstances is 3M liable for any direct, indirect, incidental, special or consequential damages (including lost profits) in any way related to the product under any theory of law including, but not limited to, negligence and strict liability.

## Ordering Information

Call us at Customer Service to place an order: 800-742-1994 (U.S.). Visit our website: [www.3M.com/medicalspecialties](http://www.3M.com/medicalspecialties) for product and services information, news about conferences we will be attending, new product highlights or to make a direct inquiry.

To have a sales representative contact you, to request samples or clinical and safety summaries, please contact us at 3M HELPLINE 800-228-3957 (U.S.) or for international inquiries, please contact your local country representative. Our 3M Medical Specialties subsidiary contacts are listed below.

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