

# 3M Non-woven Double Coated Tape

## 78015

**Product Description** 3M™ 78015 is non woven tape coated on both side with a high adhesion acrylic pressure sensitive adhesive. This tape is protected by a polycoated white paper release liner. It features dimensional stability and improved handling with ease of die cutting. 3M™ High Performance Acrylic Adhesive provides high bond strength to most surfaces.

- Feature**
- Formulated for many indoor general purpose
  - Mounting and joining applications, where moderate temperature and shear performance are required.
  - High initial tack for many industrial foams and plastics.
  - Good adhesion to many kinds of materials including low

- Application Idea**
- General purpose joining and mounting application at indoor and outdoor use
  - Holding and bonding of electronic devices
  - Electronic Components Bonding / Attachments
  - Appliance parts Bonding / Attachments

| Construction | Product         | 78015  |
|--------------|-----------------|--|
|              | Adhesive Type   | High Performance Acrylic adhesive                                    |
|              | Tape Thickness  | 0.15mm   |
|              | Tape Color      | Off-White  |
|              | Carrier         | Non-woven  |
|              | Release Liner   | Silicone treated Poly Coated Kraft<br>(Yellow green 3M logo printed) |
|              | Liner Thickness | 0.150mm (+/- 10%)  |
|              | Roll Size       | 1200mm wide x 50M, 100M  |



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## Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

| Product                                      | 78015   |
|--|---|
| 180 ° Peel Strength                          | <u>kg/in</u>  |
| ASTM D-3330                                  |   |
| <b>Initial</b>                               |   |
| SS   | 3.0   |
| PC   | 1.5   |
| Acrylic                                      | 1.5   |
| ABS  | 1.5   |
| PP   | 0.8   |
| <b>RT / 72hrs</b>                            |   |
| SS   | 3.5   |
| PC   | 2.5   |
| Acrylic                                      | 2.7   |
| ABS  | 3.0   |
| PP   | 2.0   |
| <b>70deg.C/ 72hrs</b>                        |   |
| SS   | 3.7   |
| Shear Strength                               |   |
| ASTM D-3654                                  |   |
| (1 inch <sup>2</sup> ) on SUS                |   |
| 1000gram at 72°F (22°C)                      | >10,000 min   |
| 500gram at 158 °F (70°C)                     | >10,000 min   |
| Relative High Temperature Operating Ranges : |   |
| Long Term(days, weeks)                       | 195°F(70°C)   |
| Short Term(minutes, hours)                   | 250°F(100°C)  |
| Release Level                                | Less than 60 g/in   |
| ASTM D-3330                                  |   |
| Shelf Life                                   | 24 months from date of manufacture when stored in original cartons at room temperature & 50% RH |

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## Application Technique

- Bond strength is dependent upon the amount of adhesive to surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Typical surface cleaning solvents are isopropyl alcohol and water (rubbing alcohol) or heptane.

**Note:** Be sure to follow manufacturer's safety precautions and directions for use when using solvents.

- Ideal tape application temperature range is 70°F To 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

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## For Additional Information

To request additional product information or to arrange for sales assistance, call 82-2-3771-4097. Address correspondence to : 3M Industrial Adhesives & Tapes Division, 3M Korea LTD, Hana Daetoo Securities BLDG 22<sup>nd</sup> Floor, Yoido Dong, Yongdeungpogu, Seoul, Korea. Our fax number is 82-2-786-7429

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## Important Notice

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## Limitation of Remedies and Liability

If the 3M product is provided to be defective, THE EXCLUSIVE REMEDY, AT 3M'S OPTION, SHALL BE TO REFUND THE PURCHASE PRICE OF REPAIR OR REPLACE THE DEFECTIVE 3M PRODUCT. 3M shall not otherwise be liable for loss or damages, whether direct, indirect, special, incidental, or consequential, regardless of the theory asserted, including negligence, warranty, or strict liability.

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**ISO 9002**

This Tape & Adhesives Organization product was manufactured under a 3M quality system registered to ISO 9002 standards.

**3M**

### Industrial Adhesives & Tapes Division

3M Korea LTD, Hana Daetoo Securities  
BLDG 19th, Yoido-Dong, Yongdeungpo-  
Gu, Seoul, Korea  
82-2-3771-4097  
www.3M.com