

## 3M 9471 Adhesive Transfer Tapes with Adhesive 300

Category : Polymer , Adhesive

### Material Notes:

3M™ Adhesive Transfer Tapes with 3M™ Adhesive 300 offer excellent adhesion to a wide variety of surfaces, including low surface energy plastics and foam. This pressure sensitive acrylic adhesive family is available in several thicknesses for a wide variety of surface bonding and provides a variety of liner configurations to help ensure excellent process flexibility. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-9471-Adhesive-Transfer-Tapes-with-Adhesive-300.php](http://www.lookpolymers.com/polymer_3M-9471-Adhesive-Transfer-Tapes-with-Adhesive-300.php)

| Physical Properties | Metric       | English  | Comments |
|---------------------|--------------|----------|----------|
| Thickness           | 50.8 microns | 2.00 mil | Adhesive |
|                     | 88.9 microns | 3.50 mil | Liner    |

| Mechanical Properties | Metric       | English    | Comments  |
|-----------------------|--------------|------------|---|
| Peel Strength         | 0.351 kN/m   | 2.00 pli   | Polypropylene, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330   |
|                       | 0.394 kN/m   | 2.25 pli   | Polypropylene, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330        |
|                       | 0.55877 kN/m | 3.1875 pli | Stainless Steel, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330      |
|                       | 0.55877 kN/m | 3.1875 pli | Polycarbonate, 90° peel, 12"/min, 2 mil aluminum, 72 hr RT; ASTM D3330        |
|                       | 0.82172 kN/m | 4.6875 pli | Polycarbonate, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330   |
|                       | 0.93128 kN/m | 5.3125 pli | Stainless Steel, 90° peel, 12"/min, 2 mil aluminum, 72 hr at 70°C; ASTM D3330 |

| Thermal Properties | Metric   | English   | Comments               |
|--------------------|--|---|------------------------|
| CTE, linear        | 58.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$                         | 32.2 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$                          | Second heat; ASTM-D696 |
|                    | 20.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$<br>@Thickness 0.0508 mm | 11.1 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$<br>@Thickness 0.00200 in | First heat; ASTM-D696  |

| Electrical Properties | Metric             | English            | Comments                       |
|-----------------------|--------------------|--------------------|--------------------------------|
| Dielectric Constant   | 3.21               | 3.21               | 0.040 thickness; ASTM D-150-92 |
|                       | @Frequency 1000 Hz | @Frequency 1000 Hz |                                |

| Electrical Properties | Metric               | English               | Comments                                 |
|-----------------------|----------------------|-----------------------|--|
| Dielectric Strength   | 13.4 kV/mm           | 240 kV/in             | 500 VDC, 100s. [60 Hz]/sec; ASTM D149-92 |
|                       | @Thickness 0.0508 mm | @Thickness 0.00200 in |  |
| Dissipation Factor    | 0.040                | 0.040                 |  |
|                       | @Thickness 0.0508 mm | @Thickness 0.00200 in |  |

| Processing Properties | Metric     | English    | Comments |
|-----------------------|------------|------------|----------|
| Shelf Life            | 18.0 Month | 18.0 Month |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Adhesive Type          | 300   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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