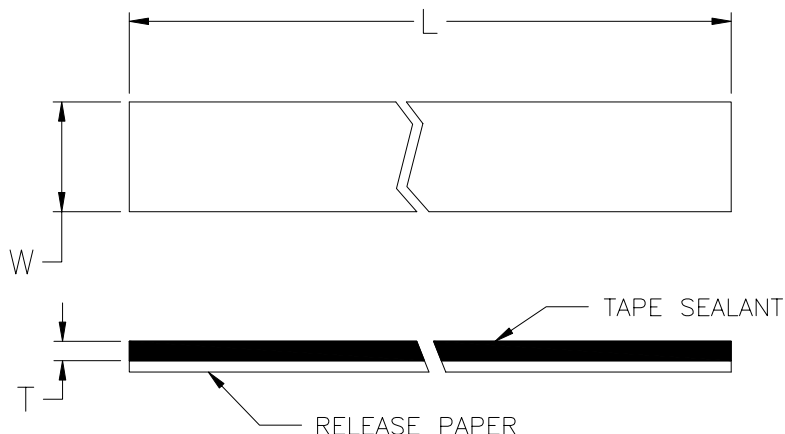


## Adhesive Tape S1278 / S1305



### Table of Dimensions:

| PART NUMBER | W<br>± 0.15 (3.8) | T<br>± 0.15 (3.8) | L<br>(Standard Roll Ref.) |
|-------------|-------------------|-------------------|---------------------------|
| S1278-01    | 1.00 (25.4)       | 0.062 (1.574)     | 25 ft (7.62m)             |
| S1305-01    | 1.00 (25.4)       | 0.062 (1.574)     | 25 ft (7.62m)             |

### Notes:

Gray butyl tape sealant  
 Blocking prevented by release paper  
 Shelf life for S1278 from date of manufacture: 12 years  
 Shelf life for S1305 from date of manufacture: 12 years

### Material Properties:

| Item  | Specification Reference |
|-------|-------------------------|
| S1278 | RW2020                  |
| S1305 | RW2020                  |

### Specification Control Drawing

|                                                                                                                                                      |                     |                                                                                    |                               |                                    |                                                 |                                |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------|-------------------------------|------------------------------------|-------------------------------------------------|--------------------------------|--|
|                                                                   |                     | Tyco Electronics Corporation<br>300 Constitution Drive<br>Menlo Park, CA 94025 USA |                               | <b>Raychem</b>                     | Title<br><b>Adhesive Tape<br/>S1278 / S1305</b> |                                |  |
| Tyco Electronics reserves the right to amend this drawing at any time.<br>Users should evaluate the suitability of the product for their application |                     |                                                                                    |                               | Document No.<br><b>S1278-S1305</b> |                                                 |                                |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.<br>METRIC DIMENSIONS ARE SHOWN IN BRACKETS                                                      |                     |                                                                                    |                               | Rev.:<br>A                         |                                                 | Rev. Date:<br>February 8, 2005 |  |
| DRAWN BY:<br>UNGUYEN                                                                                                                                 | CAGE CODE:<br>06090 | Org. Date:<br>2/8/05                                                               | File name:<br>S1278-S1305.doc | SCALE:<br>None                     | SIZE:<br>A                                      | SHEET:<br>1 of 2               |  |

**Table 2: Properties**

|                                                                | TEST METHOD | S1305                          | S1278                             |
|----------------------------------------------------------------|-------------|--------------------------------|-----------------------------------|
| <b>Physical</b>                                                |             |                                |                                   |
| Water absorption                                               | ASTM D570   | .75% (nom.)                    | .1% (nom.)                        |
| Specific gravity                                               | ASTM D792   | 1.56 (nom.)                    | 1.49 (nom.)                       |
| Elongation                                                     | ASTM D1002  | 350% - 400%                    | 350% - 400%                       |
| <b>Electrical</b>                                              |             |                                |                                   |
| Dielectric strength                                            | ASTM D149   | 250 V/mil (min.)               | 250 V/mil (min.)                  |
| Volume resistivity                                             | ASTM D257   | 10 <sup>10</sup> ohm-cm (min.) | 10 <sup>14</sup> ohm-cm (min.)    |
| <b>Thermal</b>                                                 |             |                                |                                   |
| Low-temperature flexibility<br>(non-cracking on ½-inch radius) |             | -40°C                          | -40°C                             |
| <b>Chemical</b>                                                |             |                                |                                   |
| Corrosion                                                      | ASTM D2671  | Halogen-free,<br>noncorrosive  | Noncorrosive<br>(16 hrs. @ 150°C) |
| Acid gas generation<br>HCl equivalent                          | MIL-C-24643 | 1.5% (max.)                    | 1.5% (max.)                       |

**Specification Control Drawing**

|                      |            |                                    |                  |
|----------------------|------------|------------------------------------|------------------|
| Rev. Date:<br>2/8/05 | Rev.:<br>A | Document No.<br><b>S1278-S1305</b> | Sheet:<br>2 of 2 |
|----------------------|------------|------------------------------------|------------------|

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[S1278-01](#)