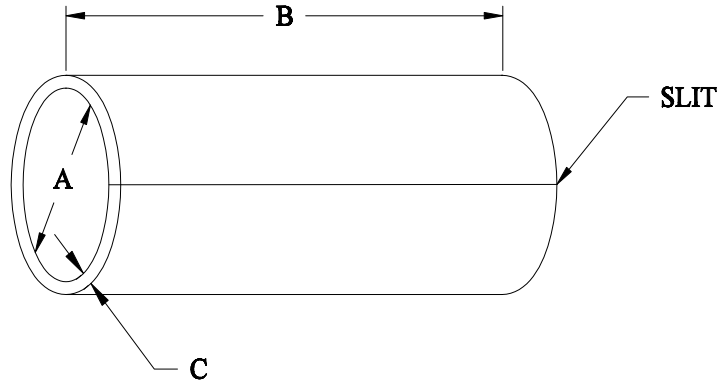


## CUSTOMER DRAWING

### Slit Adhesive Sleeve (S-1017)



**Table 1: Dimensions** (inches)

| PART DESCRIPTION | EXTRUDED ID<br>(A) | CUT LENGTH<br>(B) | EXTRUDED WALL<br>(C) |
|------------------|--------------------|-------------------|----------------------|
| SAS-090-038-1017 | .090 ± .005        | 0.38 ± .050       | 0.024 ± .005         |
| SAS-090-075-1017 | .090 ± .005        | 0.75 ± .050       | 0.024 ± .005         |
| SAS-090-1-1017   | .090 ± .005        | 1.00 ± .050       | 0.024 ± .005         |
| SAS-115-075-1017 | .115 ± .005        | 0.75 ± .050       | 0.032 ± .005         |
| SAS-115-1-1017   | .115 ± .005        | 1.00 ± .050       | 0.032 ± .005         |
| SAS-160-075-1017 | .160 ± .005        | 0.75 ± .050       | 0.032 ± .005         |
| SAS-160-1-1017   | .160 ± .005        | 1.00 ± .050       | 0.032 ± .005         |
| SAS-200-075-1017 | .200 ± .005        | 0.75 ± .050       | 0.035 ± .005         |
| SAS-200-1-1017   | .200 ± .005        | 1.00 ± .050       | 0.035 ± .005         |

**Color:** Amber

|                                                                                                             |                                                  |                                                                                                                                                    |                                |                                              |                              |  |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------|------------------------------|--|
|  <b>Tyco Electronics</b> |                                                  | Tyco Electronics Corp.<br>300 Constitution Drive,<br>Menlo Park, CA. 94025                                                                         | <b>Raychem</b><br>Molded Parts | TITLE:<br><br><b>SPLIT ADHESIVE SLEEVE</b>   |                              |  |
| Unless otherwise specified, dimensions are in inches.<br>[Metric dimensions are shown in brackets]          |                                                  |                                                                                                                                                    |                                | DOCUMENT NO.:<br><br><b>SAS-XXX-XXX-1017</b> |                              |  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A                                                                 | ANGLES:<br>N/A<br><br>ROUGHNES<br>S IN<br>MICRON | Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application. |                                | REVISION:<br><br>D                           | DATE:<br><br>August 14, 2008 |  |
| PREPARED BY:<br>UNGUYEN                                                                                     | ECO NUMBER:<br>ECO-08-020204                     | CAGE CODE :<br>06090                                                                                                                               | SCALE:<br>-NA-                 | SIZE:<br>A                                   | SHEET:<br>1 of 3             |  |

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## CUSTOMER DRAWING

**Table 2: Properties**

| Property                                                                                                                                                                                                                             | Unit         | Requirements                                                       | Test Method |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------|-------------|
| <b>Physical</b>                                                                                                                                                                                                                      |              |                                                                    |             |
| Visual                                                                                                                                                                                                                               | --           | No foreign matter, voids, pinholes.                                |             |
| Specific Gravity                                                                                                                                                                                                                     | --           | 0.95 ± 0.05                                                        | ASTM D 792  |
| Softening Point                                                                                                                                                                                                                      | °C           | 120 ± 10                                                           | ASTM E 28   |
| Low Temperature Impact Brittleness                                                                                                                                                                                                   | °C           | -20 maximum                                                        | ASTM D 746  |
| Adhesive Peel<br>Polyolefin<br>Polychloroprene<br>Polyvinylchloride                                                                                                                                                                  | lbs/in width | 20 minimum<br>10 minimum<br>15 minimum                             | Note 1      |
| <b>Chemical*</b>                                                                                                                                                                                                                     |              |                                                                    |             |
| Water Absorption                                                                                                                                                                                                                     | Percent      | 1.0 maximum                                                        | ASTM D 570  |
| Fungus Resistance                                                                                                                                                                                                                    | --           | Rating of 1 or less                                                | ASTM G 21   |
| Fluid Resistance*<br>Weight Change after<br>7 days/23 ± 3°C (75 ± 5°F)<br>3 X 1-inch specimens<br><br>Detergent Solution (#12)<br>Hydraulic Fluid (MIL-PRF-87257<br>or MIL-PRF-83282 )<br>Lube Oil (MIL-PRF-7808L)<br>ASTM Oil (#49) | Percent      | <br><br><br>3 maximum<br>10 maximum<br><br>5 maximum<br>15 maximum | ASTM D 543  |
| <b>Electrical*</b>                                                                                                                                                                                                                   |              |                                                                    |             |
| Volume Resistivity                                                                                                                                                                                                                   | ohm-cm       | 10 <sup>10</sup> minimum                                           | ASTM D 257  |
| Dielectric Strength                                                                                                                                                                                                                  | V/mil        | 500 minimum                                                        | ASTM D 149  |

\*Test specimens shall be prepared in the form of 6 x 6 x .075-inch compression molded slabs. Molding temperature shall be 150 ± 3°C (302 ± 5°F).

**Acceptance Tests:** Visual, Dimensions, Specific Gravity

|                                          |                              |            |                          |                  |
|------------------------------------------|------------------------------|------------|--------------------------|------------------|
| DOCUMENT NO.:<br><b>SAS-XXX-XXX-1017</b> | ECO NUMBER:<br>ECO-08-020204 | REV.:<br>D | DATE:<br>August 14, 2008 | SHEET:<br>2 of 3 |
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## CUSTOMER DRAWING

### **Note 1:** Adhesive Peel Strength

#### **Polyolefin**

Shrink a 6-inch length of size 1-1/2 inch tubing RNF-100 Type 2\* on a glass-laminated plastic or metal tube, 1 inch in diameter, and approximately 1 foot long, with a Thermofit Model 500B Thermogun\* or equivalent. Cool to room temperature, lightly abrade with No. 320 emery cloth, and wipe with MEK. Spiral wrap S-1017<sup>+</sup> tape on the recovered tubing, with a 50% overlap. Place a strip of 3/4-inch-wide masking tape lengthwise on the adhesive tape to hold it in place and to provide unbonded ends to insert into the tensile tester.

Abrade and clean the inside surface of three 1-1/2 inch lengths of size 1-1/2 inch RNF-100 Type 2. Place them on the prepared mandrel so that they are about 1/2 inch apart, and shrink with the Thermogun. Place the assembly in an oven for 10 minutes at  $150 \pm 3^{\circ}\text{C}$  ( $302 \pm 5^{\circ}\text{F}$ ).

Cool to room temperature, and cut along one edge of the masking tape to remove the bonded assembly from the mandrel. Cut a 1-inch wide specimen from the center of each double thickness. Insert the unbonded ends in a tensile tester operating at 2 inches per minute. Make readings of peel strength at every 1/2 inch of jaw separation after 1 inch initial separation. The average of 5 readings shall define peel strength.

#### **Polychloroprene**

Repeat above procedure, except use NTFR\* tubing.

#### **Polyvinylchloride**

Repeat above procedure, except use Thermofit PVC\* tubing.

\*Obtainable from Tyco Electronics/Raychem Corporation.

+S-1017 tape is made from the same lot of material as SAS-1017.

Tyco Electronics Corporation/Raychem reserves the right to amend this specification at any time. Users should evaluate the suitability of the product for their application.

|                                          |                              |            |                          |                  |
|------------------------------------------|------------------------------|------------|--------------------------|------------------|
| DOCUMENT NO.:<br><b>SAS-XXX-XXX-1017</b> | ECO NUMBER:<br>ECO-08-020204 | REV.:<br>D | DATE:<br>August 14, 2008 | SHEET:<br>3 of 3 |
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