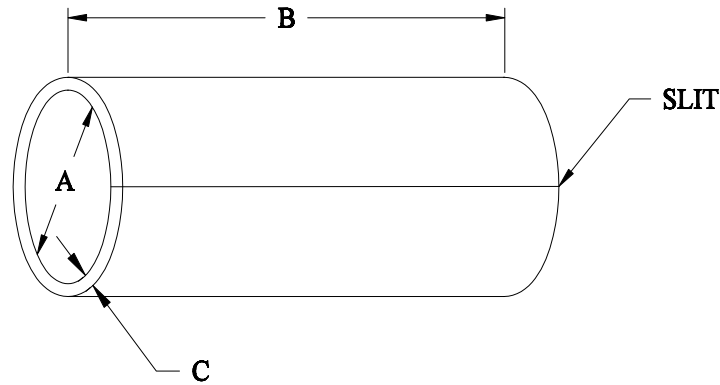


# CUSTOMER DRAWING

## Slit Adhesive Sleeve (S-1017)



**Table 1: Dimensions** (inches)

PART DESCRIPTION	EXTRUDED ID (A)	CUT LENGTH (B)	EXTRUDED WALL (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

		Tyco Electronics Corp. 300 Constitution Drive, Menlo Park, CA. 94025	Raychem Molded Parts	TITLE: <h3 style="text-align: center;">SPLIT ADHESIVE SLEEVE</h3>		
Unless otherwise specified, dimensions are in inches. [Metric dimensions are shown in brackets]				DOCUMENT NO.: <h3 style="text-align: center;">SAS-XXX-XXX-1017</h3>		
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A  ROUGHNES S IN 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: <h2 style="text-align: center;">D</h2>	DATE: <h2 style="text-align: center;">August 14, 2008</h2>	
PREPARED BY: <i>UNGUYEN</i>	ECO NUMBER: ECO-08-020204	CAGE CODE : 06090	SCALE: -NA-	SIZE: A	SHEET: 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 Polyolefin Polychloroprene Polyvinylchloride	lbs/in width	20 minimum 10 minimum 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* Weight Change after 7 days/23 ± 3°C (75 ± 5°F) 3 X 1-inch specimens  Detergent Solution (#12) Hydraulic Fluid (MIL-PRF-87257 or MIL-PRF-83282 ) Lube Oil (MIL-PRF-7808L) ASTM Oil (#49)	Percent	3 maximum 10 maximum  5 maximum 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

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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.

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