## RHW Heat-Shrinkable, Heavy Wall, Polyolefin Tubing

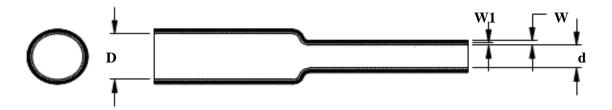


Table 1: Dimensions

| Size    | Minimum<br>Expanded<br>I.D. (D) |     | Maximum<br>Recovered<br>I.D. (d) |     | Minimum<br>Recovered<br>Jacket Wall<br>(W minus W1) |     | Nominal<br>Recovered<br>Adhesive Wall<br>(W1) |     |
|---------|---------------------------------|-----|----------------------------------|-----|---|-----|---|-----|
|         | ln.                             | mm  | ln.                              | mm  | in.   | mm  | ln.   | mm  |
| 12/3    | .472                            | 12  | .118                             | 3   | .079  | 2.0 | .010  | .25 |
| 16/4    | .630                            | 16  | .158                             | 4   | .095  | 2.4 | .012  | .30 |
| 24/6    | .945                            | 24  | .236                             | 6   | .106  | 2.7 | .014  | .35 |
| 34/8    | 1.339                           | 34  | .315                             | 8   | .157  | 4.0 | .014  | .35 |
| 48/12   | 1.890                           | 48  | .472                             | 12  | .177  | 4.5 | .016  | .40 |
| 56/16   | 2.205                           | 56  | .630                             | 16  | .173  | 4.4 | .016  | .40 |
| 70/20   | 2.756                           | 70  | .787                             | 20  | .173  | 4.4 | .016  | .40 |
| 90/25   | 3.543                           | 90  | .984                             | 25  | .169  | 4.3 | .016  | .40 |
| 110/30  | 4.331                           | 110 | 1.181                            | 30  | .169  | 4.3 | .018  | .45 |
| 130/35  | 5.118                           | 130 | 1.378                            | 35  | .169  | 4.3 | .018  | .45 |
| 160/50  | 6.299                           | 169 | 1.968                            | 50  | .169  | 4.3 | .018  | .45 |
| 180/50  | 7.087                           | 180 | 1.968                            | 50  | .169  | 4.3 | .020  | .50 |
| 200/50  | 7.874                           | 200 | 1.968                            | 50  | .169  | 4.3 | .020  | .50 |
| 250/65  | 9.842                           | 250 | 2.559                            | 65  | .169  | 4.3 | .020  | .50 |
| 320/95  | 12.598                          | 320 | 3.740                            | 95  | .169  | 4.3 | .024  | .60 |
| 390/110 | 15.354                          | 390 | 4.331                            | 110 | .169  | 4.3 | .024  | .60 |

<u>Material</u>: The tubing shall be fabricated from a modified irradiated polyolefin compounded to produce a homogeneous, uniform product whose outside surface is essentially free from flaws, defects, pinholes, seams, cracks, or inclusions. The interior wall is coated with a thermoplastic adhesive.

**Color:** Black

**Note:** Only available with adhesive coating.

**Raychem Tubing** 

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## **CUSTOMER DRAWING**

|                     |                | onnectivity<br>Constitution Drive<br>o Park, CA 94025 USA       | Title: RHW<br>Heat-Shrinkable, Heav<br>Polyolefin Tubin |            |                  |
|---------------------|----------------|---|---|------------|------------------|
|                     |                | end this drawing at any time.<br>ne product for their applicati |   | RHW        |                  |
| Cage Code:<br>06090 | Scale:<br>None | Size:   | Rev. Date:<br>30-Apr-13                                 | Rev.:<br>E | Sheet:<br>1 of 2 |

## **CUSTOMER DRAWING**

## Table 2: Properties

| Property  | Unit          | Requirement                  | Test Method         |
|---|---------------|------------------------------|---------------------|
| Dimensions  | Inch (mm)     | Table 1                      | ASTM D2671          |
| Tensile Strength  | psi (MPa)     | 1750 minimum (12)            | ASTM D2671          |
| Ultimate Elongation   | Percent       | 350 minimum                  | ASTM D2671          |
| Longitudinal Change   | Percent       | +5 to -15 maximum            | ASTM D2671          |
| Specific Gravity  |               | 1.2 maximum                  | ASTM D792           |
| Hardness  | Shore D       | 40 - 60                      | ASTM D2240          |
| Low Temperature Flexibility 4 hrs @ -40°C   |               | No cracking                  | ASTM D2671          |
| Heat Resistance 168 h @150°C followed by Ultimate Elongation                              | Percent       | 350 minimum                  | ASTM D2671          |
| Fungus Growth   |               | Rating of 1 or less          | ASTM G21            |
| ELECTRICAL  |               |                              |                     |
| Dielectric Strength   | V/mil (kV/cm) | 300 minimum (120)            | ASTM D149           |
| Volume Resistivity  | Ohm-cm        | 1 X 10 <sup>12</sup> minimum | ASTM D257           |
| CHEMICAL  |               |                              |                     |
| Fluid Resistance<br>168 hrs @ 23°C<br>Immersion in VDE 0370 oil<br>followed by tests for: |               |                              |                     |
| Tensile Strength  | psi           | 1450 minimum (10)            | ASTM D2671          |
| Ultimate Elongation   | Percent       | 300 minimum                  |                     |
| Corrosive Effect<br>16 hrs @ 150°C  |               | Noncorrosive                 | ASTM D2671, Proc. A |
| Water Absorption<br>24 hrs @ 23°C   | Percent       | 0.50 maximum                 | ASTM D570           |

| Rev. Date: | Rev.: | Document No. | Sheet: |
|------------|-------|--------------|--------|
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