

**Part Number** CB-SRT-H

**Header** CB-SRT-H Silicone Dioxide Flame-Retardant Heat Shrinkable Tubing

**Description** CB-SRT-H is silicone 1.75 & 2:1 heat shrink tubing ideally suited for many automotive, appliance, electrical/ electronic, and aerospace custom rubber requirements.

**Agency Approval & Compliance** UL, CUL, RoHS, Halogen Free, Flame Retardant, REACH, VW-1

**Application** CB-SRT-H silicone heat shrink tubing is used where high resistance to both high and low temperature extremes are involved.

**Temperature Rating** -50°C~200°C

**Standard Sizes and Dimension**



**1.7X Shrink Ratio**

| Size | As supplied (mm) |          | After recovery (mm) |          | As Supplied |        |
|------|------------------|----------|---------------------|----------|-------------|--------|
|      | ID (D)           | WT (T)   | ID (d)              | WT (t)   | UOM/Mt      | Mt/Box |
| Φ1.0 | 1.4±0.4          | 0.5±0.2  | 0.5±0.1             | 0.65±0.1 | 200         | 1200   |
| Φ2.0 | 2.3±0.3          | 0.5±0.2  | 1.2±0.2             | 0.7±0.1  |             |        |
| Φ3.0 | 3.3±0.3          | 0.5±0.2  | 1.85±0.2            | .75±0.1  |             |        |
| Φ4.0 | 4.5±0.5          | 0.5±0.2  | 2.5±0.2             | .75±0.1  |             |        |
| Φ5.0 | 5.5±0.3          | 0.5±0.2  | 3.1±0.2             | .75±0.2  |             |        |
| Φ6.0 | 6.5±0.5          | 0.5±0.2  | 3.75±0.2            | 0.8±0.1  | 100         | 600    |
| Φ7.0 | 7.5±0.5          | 0.5±0.2  | 4.35±0.2            | 0.8±0.1  |             |        |
| Φ8.0 | 8.5±0.5          | 0.5±0.2  | 5.0±0.2             | 0.8±0.1  |             |        |
| Φ9.0 | 9.5±0.5          | 0.5±0.2  | 5.6±0.2             | 0.8±0.1  |             |        |
| Φ10  | 10.5±.5          | 1.0±0.2  | 7.5±0.3             | 1.6±0.2  |             |        |
| Φ12  | 12±1.0           | 0.75±0.1 | 6.0±0.2             | 1.5±0.2  | 50          | 300    |
| Φ15  | 15.5±0.5         | 1.0±0.1  | 9.3±0.3             | 1.7±0.2  |             |        |
| Φ16  | 16.5±0.5         | 1.0±0.2  | 10.0±0.3            | 1.7±0.2  |             |        |
| Φ18  | 18.5±1.0         | 1.0±0.2  | 11.25±0.6           | 1.7±0.2  |             |        |
| Φ20  | 20.5±0.5         | 1.0±0.2  | 12.5±0.6            | 1.7±0.2  |             |        |

|      |         |         |          |          |    |     |
|------|---------|---------|----------|----------|----|-----|
| Φ22  | 23±1.0  | 1.0±0.2 | 15.6±0.8 | 1.7±0.2  | 25 | 150 |
| Φ25  | 26±1.0  | 1.0±0.1 | 14±0.4   | 2.0±0.3  |    |     |
| Φ35  | 36±1.0  | 1.0±0.3 | 21.8±1.0 | 1.7±0.2  | 1  | 50  |
| Φ40  | 42±1.0  | 1.0±0.3 | 23.5±2.0 | 1.7±0.2  |    | 50  |
| Φ50  | 53±3.0  | 1.0±0.3 | 29.5±3.0 | 1.7±0.2  |    | 40  |
| Φ60  | 63±2.0  | 1.5±0.3 | 35.5±3.0 | 2.5±0.35 |    | 30  |
| Φ70  | 73±3.0  | 1.5±0.3 | 41.2±3.0 | 2.5±0.35 |    |     |
| Φ80  | 85±5.0  | 1.5±0.4 | 47±5.0   | 2.5±0.35 |    | 20  |
| Φ90  | 95±5.0  | 1.5±0.4 | 53±5.0   | 2.5±0.35 |    |     |
| Φ110 | 110±5.0 | 1.5±0.4 | 64.7±5.0 | 2.5±0.5  |    |     |

### 2X Shrink Ratio

| Size | As supplied (mm) |         | After recovery (mm) |          | As Supplied |        |   |     |
|------|------------------|---------|---------------------|----------|-------------|--------|---|-----|
|      | ID (D)           | WT (T)  | ID (d)              | WT (t)   | UOM/Mt      | Mt/Box |   |     |
| Φ1.0 | 1.3±0.3          | 0.5±0.2 | 0.6±0.1             | 0.6±0.1  | 200         | 1200   |   |     |
| Φ2.0 | 2.4±0.4          | 0.5±0.2 | 1.2±0.2             | 0.7±0.1  |             |        |   |     |
| Φ3.0 | 3.5±0.5          | 0.5±0.2 | 1.5±0.2             | .8±0.1   |             |        |   |     |
| Φ4.0 | 4.5±0.5          | 0.5±0.2 | 2.1±0.2             | .75±0.1  |             |        |   |     |
| Φ5.0 | 5.5±0.5          | 0.5±0.2 | 2.6±0.2             | .85±0.1  |             |        |   |     |
| Φ6.0 | 6.5±0.5          | 0.5±0.2 | 3.2±0.2             | 0.85±0.1 | 100         | 600    |   |     |
| Φ7.0 | 7.5±0.5          | 0.5±0.2 | 3.7±0.3             | 0.85±0.1 |             |        |   |     |
| Φ8.0 | 8.5±0.5          | 0.5±0.2 | 4.3±0.3             | 0.9±0.1  |             |        |   |     |
| Φ9.0 | 9.5±0.5          | 0.5±0.2 | 4.8±0.2             | 0.9±0.1  |             |        |   |     |
| Φ10  | 10.5±.5          | 1.0±0.2 | 5.3±0.3             | 1.8±0.2  | 50          | 300    |   |     |
| Φ12  | 12.5±0.          | 1.0±0.2 | 6.4±0.3             | 1.85±0.2 |             |        |   |     |
| Φ15  | 15.5±0.          | 1.0±0.2 | 8.0±0.3             | 1.9±0.2  |             |        |   |     |
| Φ16  | 16.5±0.          | 1.0±0.2 | 8.5±0.4             | 1.95±0.2 |             |        |   |     |
| Φ18  | 19±1.0           | 1.0±0.2 | 9.5±0.4             | 1.95±0.2 |             |        |   |     |
| Φ20  | 21±1.0           | 1.0±0.2 | 10.5±0.5            | 1.95±0.2 |             |        |   |     |
| Φ25  | 26±1.5           | 1.0±0.1 | 14.0±0.4            | 2.0±0.3  |             |        | 1 | 100 |
| Φ35  | 36±1.5           | 1.0±0.3 | 18.0±1.0            | 2.0±0.2  |             |        |   | 50  |
| Φ40  | 42±1.0           | 1.0±0.3 | 20.5±1.0            | 2.0±0.2  | 50          |        |   |     |
| Φ50  | 53±3.0           | 1.0±0.3 | 25.5±1.0            | 2.0±0.2  | 40          |        |   |     |
| Φ60  | 63±2.0           | 1.5±0.3 | 32.0±2.0            | 3.0±0.5  | 30          |        |   |     |
| Φ70  | 73±3.0           | 1.5±0.3 | 38.0±3.0            | 3.0±0.5  |             |        |   |     |
| Φ80  | 85±5.0           | 1.5±0.4 | 45.0±4.0            | 3.0±0.5  |             |        |   |     |

|     |        |         |          |         |    |
|-----|--------|---------|----------|---------|----|
| Φ90 | 95±5.0 | 1.5±0.4 | 50.0±4.0 | 3.0±0.5 | 20 |
| Φ11 | 110±5. | 1.5±0.4 | 60.0±5.0 | 3.0±0.5 |    |

### Typical Properties

| Specification Type                            | CB-SRT-H                                  |
|---|---|
| Temperature Range (°C)                        | 150                                       |
| Dielectric Voltage Withstand (V)              | 600                                       |
| Tensile Strength<br>MPa (Kg/cm <sup>2</sup> ) | ≥3.45                                     |
| Elongation                                    | ≥100                                      |
| Peel Strength<br>kN/m (Kg f/cm)               | ≥14.5 (15)                                |
| Resistant Volume<br>Ω·m(Ω·cm)                 | ≥2X10 <sup>12</sup> (2X10 <sup>14</sup> ) |
| Dielectric Strength<br>KV/mm                  | ≥25                                       |
| Dielectric Constant<br>(ε) 50Hz               | 3.2                                       |
| Dielectric Loss<br>Tangent Angle 50Hz         | 0.001                                     |
| Flammability<br>UL-224                        | VW-1                                      |
| Operation Temperature (°C)                    | -50~+200                                  |
| Longitudinal Shrink Ratio (%)                 | ≤10%                                      |
| Shrink Temperature (°C)                       | ≥90                                       |

**Availability** Master reels and cut pieces

**Important Notice** All information contained in this data sheet is believed to be reliable and accurate. It is advised however that the end user of this material evaluate the suitability of the product for their specific application.

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