

RSTW135

Description

RSTW135 is flexible, thin wall, heat shrink tube for general purpose. Tube is made from cross linked Polyolefin.

Features

- Shrink ratio 2:1, 3:1
- Temperature range (-55°C till +135°C)
- Shrink temperature > 90°C
- Flexible
- Chemical abrasion
- Self-extinguishing

Certificate

- UL224
- SAE-AMS-DTL-23053/5

Dimensions 3:1

| Size mm | D _{MIN.} | D _{MAX.} | W |
|-----------|-------------------|-------------------|------|
| 1,5/0,5** | 1,5 | 0,5 | 0,45 |
| 3/1 | 3,0 | 1,0 | 0,55 |
| 4,8/1,5** | 4,8 | 1,5 | 0,60 |
| 6/2 | 6,0 | 2,0 | 0,70 |
| 9/3 | 9,0 | 3,0 | 0,70 |
| 12/4 | 12,0 | 4,0 | 0,70 |
| 18/6 | 18,0 | 6,0 | 0,80 |
| 24/8 | 24,0 | 8,0 | 1,00 |
| 39/13 | 39,0 | 13,0 | 1,15 |

**Non stock sizes: 1,5/0,5 (except black and green-yellow) and 4,8/1,5 (except black)

Technical information

RSTW135

Stock colours:

- black 0, white 9, ● red 2,
- blue 6, ● yellow 4, ● grey 8,
- brown 1, ● green/yellow 45,
- transparent X

Non stock colours:

- green 5, ● pink 2L, ● violet 7,
- orange 3

Label:

RSTW135 – size – colour-package

Example:

RSTW135-3,2/1,6-0-SP

Tables with sizes

Dimensions 2:1

| Size | D _{MIN.} | D _{MAX.} | W |
|-------|-------------------|-------------------|------|
| inch | mm | | |
| 3/16 | 1,2 | 1,2 | 0,41 |
| 1/16 | 1,6 | 1,6 | 0,43 |
| 3/32 | 2,4 | 2,4 | 0,51 |
| 1/8 | 3,2 | 3,2 | 0,51 |
| 3/16 | 4,8 | 4,8 | 0,51 |
| 1/4 | 6,4 | 6,4 | 0,64 |
| 3/8 | 9,5 | 9,5 | 0,64 |
| 1/2 | 12,7 | 12,7 | 0,64 |
| 5/8* | 15,9 | 15,9 | 0,70 |
| 3/4 | 19,1 | 19,1 | 0,77 |
| 1 | 25,4 | 25,4 | 0,89 |
| 1 ¼* | 31,8 | 31,8 | 0,95 |
| 1 1/2 | 38,1 | 38,1 | 1,02 |
| 2 | 50,8 | 50,8 | 1,14 |
| 3* | 76,2 | 76,2 | 1,27 |
| 4* | 101,6 | 101,6 | 1,40 |

W – Recovered wall thickness (mm).

D_{MIN.} – MIN ID supplied (mm).

D_{MAX.} – MAX ID recovered (mm).

*Non stock sizes 5/8", 1 1/4, 3" and 4" (except black)

Temp.
-55 °C
+135 °C

2:1,3:1

UL224

RoHS



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Ray Service company considers all information in data sheet are correct but we cannot eliminate our possible errors in typing and other inaccuracies. The suitability of the product for the intended purpose must examine each user individually. Before using we recommend to perform verification tests. In case of any doubts or questions do not hesitate to contact us.

Insulation materials > Shrink tubes >
Shrink tubes without adhesives > RSTW135

Technical information

Physical properties

| Description | Test method | Typical value |
|---------------------|-------------|----------------------|
| Tensile strength | ASTM D 638 | 13 N/mm ² |
| Elongation at break | ASTM D 638 | 300% |
| Longitudinal change | ASTM D 2671 | -5% to +5% |
| Water absorption | ASTM D 570 | <0,15% |
| Specific gravity | ASTM D 729 | 1,45 |

Electrical properties

| Description | Test method | Typical value |
|---------------------|-------------|-------------------------|
| Dielectric strenght | ASTM D 2671 | 10 kV/mm |
| Volume resistivity | ASTM D 257 | 10 ¹⁶ ohm cm |

Thermal properties

| Description | Test method | Typical value |
|---------------------------------|---------------|--------------------------------|
| Heat shock 4 hours at 250 °C | ASTM 2671 | no dropping, cracking, flowing |
| Heat aging 168 hours at 175 °C | ASTM D 638 | elongation 250% |
| Low temp. flexibility at -55 °C | ASTM D 2671 C | no cracking |
| Flammability grade | UL 224VW-1 | pass |

Chemical properties

| Description | Test method | Typical value |
|---------------------|-----------------|---------------|
| Fungus resistance | ASTM G21 | no growth |
| Chemical resistance | AMS-DTL-23053/5 | good |
| Copper corrosion | ASTM D 2671 B | no corrosion |