

Heat shrinkable thin wall tube

shrink ratio 3 : 1 without adhesive

The heat shrinkable tubes type SR1F3 are thin-walled, without adhesive with a shrinkage ratio of 3:1. Typical applications are the protection of cables against chemical influences as well as good mechanical protection.



Product description

|                |   |
|----------------|---|
| Article name   | SR1F3 12-4  |
| Article number | 144213  |
| Notes          | A standard spool may include sections which have been tied together.<br>Other lengths available on request. |

|   |
|---|
| Characteristics                               |
| Thin wall                                     |
| Without adhesive                              |
| Inscribable                                   |
| Resistant to chemical agents                  |
| Stabilized against UV rays                    |
| Non-corrosive                                 |
| Free from paint-wetting inhibiting substances |
| Infusible                                     |
| High tensile strength                         |
| Superior electrical properties                |
| High tensile strength                         |
| Resistant to cold flow (thermally stable)     |
| High flexibility                              |
| Self-extinguishing (except transparent)       |

|                       |
|-----------------------|
| Applications          |
| Insulating            |
| Bundling              |
| Marking               |
| Corrosion protection  |
| Mechanical protection |

## Technical data

|   |                          |
|---|--------------------------|
| Article name  | SR1F3 12-4               |
| Article number  | 144213                   |
| Test standards  | UL E172094               |
|   | MIL-I-23053/5 Class 1    |
| Materials   | Cross-linked polyolefin  |
|   | Free of lead and cadmium |
| Selection Note  | spools                   |
| Length L  | 100 m                    |
| Colours   | green-yellow             |
| Inner diameter before shrinking (mm)                  | 12 mm                    |
| Inner diameter after shrinking (mm)                   | 4 mm                     |
| Recovered wall thickness                              | 0.75 mm                  |
| Elongation at break                                   | 300 %                    |
| Elongation at break (associated standard)             | ASTM D 638               |
| Tensile strength at break                             | 13 MPa                   |
| Tensile strength at break (associated standard)       | ASTM D 638               |
| Longitudinal shrinkage                                | +/- 10 %                 |
| Longitudinal shrinkage (associated standard)          | ASTM D 2671              |
| Shrink ratio  | 3 : 1                    |
| Shrink ratio (associated standard)                    | IEC 811-1-1              |
| Shrinkage temperature                                 | > 90 °C                  |
| Burning behaviour                                     | self-extinguishing       |
| Burning behaviour (associated standard)               | UL 224                   |
| Flexibility at low temperatures                       | -55 °C                   |
| Flexibility at low temperatures (associated standard) | ASTM D 2671              |
| Operation temperature min.                            | -55 °C                   |
| Operation temperature max.                            | 135 °C                   |
| Operation temperature (associated standard)           | IEC 216                  |
| Specific volume resistivity                           | 10 <sup>14</sup> Ω cm    |
| Specific volume resistivity (associated standard)     | ASTM D 257               |
| Dielectric strength                                   | 20 kV/mm                 |
| Dielectric strength (associated standard)             | ASTM D 2671              |
| Corrosion   | none                     |
| Corrosion (associated standard)                       | ASTM D 2671              |
| Resistance to fungus and decay                        | No growth                |
| Resistance to fungus and decay (associated standard)  | AMS-DTL-7444             |

## Logistics data

|                        |  |
|------------------------|--|
| Article name           | SR1F3 12-4   |
| Article number         | 144213   |
| Delivery scope         | Thin wall heat shrinkable tube, on spool or in lengths |
| Shelf life description | Unlimited shelf life                                   |
| Country of origin      | Poland   |
| Customs tariff number  | 39173200   |
| EAN/GTIN               | 4010311071787  |

## Packaging data

|                   |       |        |
|-------------------|-------|--------|
| Packaging type    | Coil  | Carton |
| Content quantity  | 100   | 700    |
| Unit of measure   | Meter | Meter  |
| Lenght (mm)       | 387   | 395    |
| Width (mm)        | 387   | 395    |
| Height (mm)       | 52    | 395    |
| Net weight (kg)   | 1.8   | 12.6   |
| Gross weight (kg) | 1.809 | 12.9   |