# Technical-Data-Sheet

## SR1F

## Heat shrinkable thin wall tube

shrink ratio 2 : 1 without adhesive

Heat shrinkable thin wall tube. Application: Insulating, bundling, marking, corrosion protection, mechanical protection. Characteristics: Thin wall, without thermoplastic adhesive, inscribable, resistant to chemical agents, stabilized against UV rays, free from paint-wetting inhibiting substances, non-corrosive, infusible, high flexibility, superior electrical properties, high tensile strength, resistant to cold flow (thermally stable), self-extinguishing (except transparent).



### Product description

| | |
|---|---|
| Article name | SR1F 6.4-3.2 |
| Material number | 144110 |
| 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 |
| Family notes | A standard spool may include sections which have been tied together. |
| | Other lengths available on request. |

## Technical data

| | |
|---|---|
| Test standards | UL E172094 |
| | MIL-I-23053/5 Class 1 |
| Materials | Cross-linked polyolefin |
| | Free of lead and cadmium |
| Selection Note | spools |
| Length L | 300 m |
| Colours | grey |
| Inner diameter before shrinking (inch) | 1/4" |
| Inner diameter before shrinking (mm) | 6.4 mm |
| Inner diameter after shrinking (mm) | 3.2 mm |
| Recovered wall thickness | 0.64 mm |
| Elongation at break | 350 % |
| 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 | 2 : 1 |
| Shrink ratio (associated standard) | IEC 811-1-1 |
| Operating temperature range min | -55 °C |
| Operating temperature range max | 135 °C |
| Operating temperature range (associated standard) | IEC 216 |
| 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 |
| Specific volume resistivity | $10^{14}$ 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

| | |
|---|---|
| Delivery scope | Thin wall heat shrinkable tube on spool |
| Shelf life description | Unlimited shelf life |
| Country of origin | Poland |
| Customs tariff number | 39173200 |

| | | | | |
|---|---|---|---|---|
| EAN-UPC | 4010311030937 | | | |
| Base quantity | 1 | 300 | 600 | |
| Base unit of measure | Meter | Meter | Meter | |
| Alternate quantity | 1 | 1 | 1 | |
| Alternative unit of measure | Meter | Coil | Carton | |
| Lenght | 0 | 390 | 395 | |
| Width | 0 | 390 | 395 | |
| Height | 0 | 175 | 395 | |
| Dimension unit | | Millimetres | Millimetres | |
| Volume | 0 | 26.6 | 61.6 | |
| Volume unit | | Cubic decimetres | Cubic decimetres | |
| Gross weight | 0.017 | 5.12 | 10.5 | |
| Net weight | 0.017 | 5.1 | 10.2 | |
| Weight unit | Kilogram | Kilogram | Kilogram | |