# Technical data sheet

## Article number:
## 311-00489 TK20-4.8/2.4




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|---|---|
| **Product Group** | Heat shrinkable tubing 2:1 - PVDF |
| **Product Family** | TK20 |
| **Material** | Polyvinylidene Fluoride (PVDF) |
| **Colour** | Transparent (CL) |

| | |
|---|---|
| **Behaviour at Heat Shock** | not cracking, not dripping, not fluid |
| **Behaviour at low Temperature test method** | not cracking [SAE-AS23053] |
| **Comparative Tracking Resistance** | 790 V |
| **Dielectric Strength [Test method]** | 30 kV/mm [SAE-AS23053] |
| **Elongation at break (min.) [Test method]** | 350 % [ASTM D882] |
| **Elongation At Heat Aging** | 200 % |
| **Flammability** | UL 224 VW-1 |
| **Heat Aging Test [Test method]** | 168h/250°C [ASTM D638] |
| **Heat Shock Test** | 4h/300°C |
| **Insulation Class** | F (VDE 0530) |
| **Longitudinal Change After Shrinkage** | +/-10% max |
| **Min. Shrink Temperature - °C** | +170 °C |
| **Operating Temperature** | -55 °C to +175 °C |
| **Package Content** | 50 pcs. |
| **Package Content packed in** | pcs. |
| **Recov. Ø d max.** | 2.4 mm |
| **Shrink Ratio** | 2:1 |
| **Specifications** | ANSI/UL 224, VG 95343-5:2016-10 |
| **Supplied Ø D min.** | 4.8 mm |
| **Tensile Strength [Test method]** | 40 MPa [ASTM D412] |
| **UL-File Number** | E198023 |
| **Wall (WT)** | 0.25 mm |
| **Water Absorption** | 0.2 % |

RoHS

created on 26. June 2026, 2:10 pm

Technical changes and errors reserved. It's up to the customer to check the suitability for a specific application by means of tests.

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