

## Technical data sheet

Article number:  
553-41253

**TULT12-4BU**



|                                                          |                                                           |
|----------------------------------------------------------|-----------------------------------------------------------|
| <b>Product Group</b>                                     | Shrinkable markers "Continuous Tube", thermal transfer    |
| <b>Product Family</b>                                    | TULT – 3:1 Military and Electronics                       |
| <b>Material</b>                                          | Polyolefin, cross-linked (PO-X)                           |
| <b>Colour</b>                                            | Blue (BU)                                                 |
| <b>Elongation at break [Test method]</b>                 | 300 % [ASTM D638]                                         |
| <b>Flammability</b>                                      | UL 224 VW-1                                               |
| <b>Heat Aging Test [Test method]</b>                     | 168h/175°C [ASTM D638]                                    |
| <b>Heat Shock Test</b>                                   | 4h/250°C                                                  |
| <b>Longitudinal Change After Shrinkage [Test method]</b> | -15% max. [ASTM D2671]                                    |
| <b>Low Temperature Test [Test method]</b>                | 4h/-55°C [ASTM D2671]                                     |
| <b>Min. Shrink Temperature - °C</b>                      | +90 °C                                                    |
| <b>Operating Temperature</b>                             | -55 °C to +135 °C                                         |
| <b>Package Content packed in</b>                         | carton                                                    |
| <b>Pack Cont.</b>                                        | 54 m                                                      |
| <b>Print Method</b>                                      | thermal transfer print                                    |
| <b>Recommended Ribbon Type</b>                           | TTDTHOUT, TTRW, TT822OUT8                                 |
| <b>Recov. Ø d max.</b>                                   | 4.0 mm                                                    |
| <b>Shrink Ratio</b>                                      | 3:1                                                       |
| <b>Specifications</b>                                    | ANSI/UL 224, C22.2 no. 198.1-99, MIL-STD-202H Method 215K |
| <b>Supplied Ø D min.</b>                                 | 12.0 mm                                                   |
| <b>Test Method Tensile Strength</b>                      | ASTM D638                                                 |
| <b>Thermal Transfer Printer</b>                          | TT431, TT4030DS, TT4030                                   |
| <b>UL-File Number</b>                                    | E143529                                                   |
| <b>Volume Resistance [Test method]</b>                   | 10 <sup>16</sup> Ω cm [ASTM D257]                         |
| <b>Wall (WT)</b>                                         | 0.68 mm                                                   |
| <b>Water Absorption</b>                                  | 0.20 %                                                    |

RoHS

