

333-41500

Article Number: 333-41500

Heat Shrink Tubing, Bulk Reel, 3:1, 1/8", 3.2/1.0 dia., Polyolefin, Black, 1000 ft/reel

HellermannTyton



## Base Data

Local Order Number 333-41500

Type TFN31-3/1 BK

Color Black (BK)

- Features and Benefits**
- Thin wall, flexible 3 to 1 shrink ratio material accommodates a wide range of component shapes and diameters.
  - Meets UL224 VW-1 specifications, making it ideal for high heat applications (excludes clear tubing).
  - Polyolefin material provides excellent insulation and mechanical strength with good resistance to solvents, oils and fuels.
  - Available in bulk reels, sticks and convenience bags (HIS-3 bags), for small to large volume applications.

**Product Description** TFN31 series heat shrink tubing features a flexible, thin wall and highly flame retardant polyolefin material with a higher operating temperature range than general-use heat shrink tubing. and offers good resistance to solvents, oils and fuels. The 3 to 1 shrink ratio accommodates a variety of component shapes and sizes. TFN31 tubing is available in bulk reels, sticks and convenience bags (HIS-3 bags), for projects of all sizes.

Shrink Ratio 3:1

Variant Thin-Wall

Short Description Heat Shrink Tubing, Bulk Reel, 3:1, 1/8", 3.2/1.0 dia., Polyolefin, Black, 1000 ft/reel

With inner glue (Yes/No) ETIM No

## Product Dimensions

Length L (imperial) 1000.0 ft

Length L (metric) 304.8 m

Wall Thickness WT (imperial) 0.022 "

Wall Thickness WT (metric) .55 mm

Recovered Diameter D (metric) 1.0 mm

Recovered Diameter D (imperial) 0.063 "

Supplied Diameter D (imperial) 0.13 "

Supplied Diameter D (metric) 3.2 mm

## Logistics and Packaging

Quantity per reel

Package Quantity (imperial) 1000

Trade Size 1/8

## Material and Specifications

Material Polyolefin, cross-linked (PO-X)

Material Shortcut PO-X

Dielectric Strength (metric) 20 kV/mm

<b>Elongation at break</b>	600%
<b>Flammability</b>	UL224 VW-1
<b>Halogenfree</b>	No
<b>Shrink Temperature</b>	+212 °F (+100 °C)
<b>Operating Temperature</b>	-67 °F to +275 °F (-55 °C to +135 °C)
<b>ROHS Conformity</b>	Yes
<b>Certification / Specification</b>	UL224 125 °C 600V VW-1 CSA
<b>Tensile Strength (MPa)</b>	14 MPa
<b>UL Recognized (US)</b>	Yes
<b>Volume Resistance (Ohm cm)</b>	10 <sup>11</sup> Ω cm