

333-41512



**Article Number:** 333-41512

**Heat Shrink Tubing, 4FT-Stick, 3:1, 1/2", 12.7/4.0 dia., Polyolefin, Black, 10/pkg**



Download spec sheet

## Base Data

**Local Order Number** 333-41512

**Type** TFN31-ST-12/4 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.

**Short Description** Heat Shrink Tubing, 4FT-Stick, 3:1, 1/2", 12.7/4.0 dia., Polyolefin, Black, 10/pkg

## Product Dimensions

**Length L (Imperial)** 4.0 ft

**Length L (Metric)** 1.22 m

**Shrink Ratio** 3:1

**Tensile Strength (MPa)** 14 MPa

**Trade Size** 1/2 "

**Variant** Thin-Wall

**Volume Resistance (Ohm cm)** 10<sup>11</sup> Ω cm

**Nominal Diameter (Imperial)** 1/2 "

**Nominal Diameter (Metric)** 12 mm

**Wall Thickness WT (Imperial)** 0.031 "

**Wall Thickness WT (Metric)** .80 mm

**Recovered Diameter d (metric)** 4.0 mm

**Recovered Diameter d (imperial)** 0.25 "

**Supplied Diameter D (metric)** 12.7 mm

**Supplied Diameter D (imperial)** 0.5 "

## Logistics and Packaging

**Quantity Per** lengths

**Package Quantity** 10

## Material and Specifications

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<b>Material</b>	Polyolefin, cross-linked (PO-X)
<b>Material Shortcut</b>	PO-X
<b>Dielectric Strength (Metric)</b>	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 Compliant</b>	Yes
<b>Certification/Specification</b>	UL224 125 °C 600V VW-1 CSA
<b>UL Recognized (US)</b>	Yes