

## Specification Sheet

Part Number: 333-41512



Heat Shrink Tubing, 4' Long Stick, 3:1 Shrink Ratio, 1/2", 12.7/4.0 Dia, PO, Black, 10/pkg

**Article Number**

333-41512

**Type**

TFN31-ST-12/4

**Color**

Black (BK)

**Features & 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.

**Quantity Per**

lengths

**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, 4' Long Stick, 3:1 Shrink Ratio, 1/2", 12.7/4.0 Dia, PO, Black, 10/pkg

**Global Part Name**

TFN31-ST-12/4-PO-X-BK

**Length L (Imperial)**

4.0

**Length L (Metric)**

1.22

**Variant**

Thin-Wall

**Nominal Diameter (Imperial)**

1/2

**Nominal Diameter (Metric)**

12

**Wall Thickness WT (Imperial)**

.031

**Wall Thickness WT (Metric)**

0.80

**Material**

Polyolefin, cross-linked (PO-X)

**Material Shortcut**

PO-X

**Flammability**

UL 224 VW-1

**Halogen free** No

**Operating Temperature (Metric)** -67°F to +275°F (-55°C to +135°C)

**Reach Complaint(Article 33)** Yes

**ROHS Complaint** Yes

**Certification/Specification WEB** CSA | C22.2 no. 198.1-06 UL | ANSI/UL 224

**UL Recognized (US)** Yes

**UL Recognized (US and Canada)** Yes

**Package Quantity(Imperial)** 10

**Package Quantity (Metric)** 10

**Customs Number** 3926909987