

308-30420



Article Number: 308-30420

Heat Shrink Tubing, HIS-3-Bag, 3:1, 3/16", 4.8/1.5 dia., Polyolefin, Black, 10/pkg



## Base Data

**Local Order Number** 308-30420

**Type** HIS-3-BAG 4.5/1.5 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.

**Marking Text** no

**Shrink Ratio** 3:1

**Variant** Thin-Wall

**Short Description** Heat Shrink Tubing, HIS-3-Bag, 3:1, 3/16", 4.8/1.5 dia., Polyolefin, Black, 10/pkg

**With inner glue (Yes/No) ETIM** No

## Product Dimensions

**Length L (metric)** 200 mm

**Length L3 (imperial)** 6.0 "

**Length L3 (metric)** 152.4 mm

**Wall Thickness WT (imperial)** 0.024 "

**Wall Thickness WT (metric)** .60 mm

**Recovered Diameter D (metric)** 1.5 mm

**Recovered Diameter D (imperial)** 0.059 "

**Supplied Diameter D (imperial)** 0.188 "

**Supplied Diameter D (metric)** 4.8 mm

## Logistics and Packaging

**Quantity per** bag

**Package Quantity (imperial)** 10

**Package Quantity** 10 Pieces

## Material and Specifications

**Material** Polyolefin, cross-linked (PO-X)

<b>Material Shortcut</b>	PO-X
<b>Dielectric Strength (metric)</b>	20 kV/mm according to ASTM D 150
<b>Elongation at break</b>	800% nach ASTM D2671
<b>Flammability</b>	UL224 VW-1 (except clear)
<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>	SAE - AMS - DTL-23053/5 Class 2 (clear) UL224 125 °C 600V VW-1 SAE - AMS - DTL-23053/5 Class 1 and 3
<b>Tensile Strength (MPa)</b>	14 MPa
<b>UL Listed (US and Canada)</b>	Yes
<b>Volume Resistance (Ohm cm)</b>	10 <sup>11</sup> Ω cm (ASTM D 876)