

308-30320



**Article Number:** 308-30320

**Heat Shrink Tubing, HIS-3-Bag, 3:1, 1/8", 3.2/1.0 dia., Polyolefin, Black, 10/pkg**



Download spec sheet

## Base Data

**Local Order Number** 308-30320

**Type** HIS-3-BAG 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.

**Short Description** Heat Shrink Tubing, HIS-3-Bag, 3:1, 1/8", 3.2/1.0 dia., Polyolefin, Black, 10/pkg

## Product Dimensions

**Length L (Metric)** 200 mm

**Length L3 (imperial)** 6.0 "

**Length L3 (metric)** 152.4 mm

**Shrink Ratio** 3:1

**Tensile Strength (MPa)** 14 MPa

**Trade Size** 1/8 "

**Tube Shape** Round

**Variant** Thin-Wall

**Volume Resistance (Ohm cm)** 10<sup>11</sup> Ω cm (ASTM D 876)

**Nominal Diameter (Imperial)** 1/8 "

**Nominal Diameter (Metric)** 3.2 mm

**Wall Thickness WT (Imperial)** 0.022 "

**Wall Thickness WT (Metric)** .55 mm

**Recovered Diameter d (metric)** 1.0 mm

**Recovered Diameter d (imperial)** 0.039 "

**Supplied Diameter D (metric)** 3.2 mm

**Supplied Diameter D (imperial)** 0.13 "

## Logistics and Packaging

**Quantity Per** bag

**Package Quantity** 10  
**Package Quantity (Metric)** 10 Pieces

## Material and Specifications

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**Material** Polyolefin, cross-linked (PO-X)  
**Material Shortcut** PO-X  
**Dielectric Strength (Metric)** 20 kV/mm according to ASTM D 150  
**Elongation at break** 800% nach ASTM D2671  
**Flammability** UL224 VW-1 (except clear)  
**Halogenfree** No  
**Shrink Temperature** +212 °F (+100 °C)  
**Operating Temperature** -67°F to +275°F (-55°C to +135°C)  
**ROHS Compliant** Yes  
**Certification/Specification** SAE - AMS - DTL-23053/5 Class 2 (clear)  
SAE - AMS - DTL-23053/5 Class 1 and 3  
UL224 125 °C 600V VW-1  
**UL Listed (US and Canada)** Yes  
**UL Recognized (US and Canada)** Yes