

308-31220



Article Number: 308-31220

Heat Shrink Tubing, HIS-3-Bag, 3:1, 1/2", 12.7/4.0 dia., Polyolefin, Black, 10/pkg



Download spec sheet

Base Data

Local Order Number 308-31220

Type HIS-3-BAG 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, HIS-3-Bag, 3:1, 1/2", 12.7/4.0 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 1/2 "

Variant Thin-Wall

Volume Resistance (Ohm cm) 10¹¹ Ω cm (ASTM D 876)

Nominal Diameter (Imperial) 1/2 "

Nominal Diameter (Metric) 12.7 mm

Wall Thickness WT (Imperial) 0.031 "

Wall Thickness WT (Metric) .80 mm

Recovered Diameter d (metric) 4.0 mm

Recovered Diameter d (imperial) 0.157 "

Supplied Diameter D (metric) 12.7 mm

Supplied Diameter D (imperial) 0.5 "

Logistics and Packaging

Quantity Per bag

Package Quantity 10

Package Quantity (Metric) 10 Pieces

Material and Specifications

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	UL224 125 °C 600V VW-1 SAE - AMS - DTL-23053/5 Class 1 and 3 SAE - AMS - DTL-23053/5 Class 2 (clear)
UL Listed (US and Canada)	Yes
UL Recognized (US and Canada)	Yes

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