

Specification Sheet

Part Number: 333-41509



Heat Shrink Tubing, 4' Long Stick, 3:1 Shrink Ratio, 3/16", 4.8/1.5 Dia, PO, Black, 20/pkg

Article Number 333-41509

Type TFN31-ST-4.5/1.5

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, 3/16", 4.8/1.5 Dia, PO, Black, 20/pkg
Global Part Name	TFN31-ST-4.5/1.5-PO-X-BK
Length L (Metric)	1.22
Variant	Thin-Wall
Nominal Diameter (Imperial)	0.19
Nominal Diameter (Metric)	4.5
Wall Thickness WT (Imperial)	.024
Wall Thickness WT (Metric)	0.60
Material	Polyolefin, cross-linked (PO-X)
Material Shortcut	PO-X
Flammability	UL 224 VW-1

Halogen free	No
Operating Temperature (Metric)	-58°F to +275°F (-50°C to +135°C)
Reach Complaint(Article 33)	Yes
ROHS Complaint	Yes
Certification/Specification WEB	UL ANSI/UL 224 CSA C22.2 no. 198.1-06
UL Recognized (US)	Yes
UL Recognized (US and Canada)	Yes
Package Quantity(Imperial)	20
Package Quantity (Metric)	20
Customs Number	3926909988