

333-41509



Article Number: 333-41509

Heat Shrink Tubing, 4FT-Stick, 3:1, 3/16", 4.8/1.5 dia., Polyolefin, Black, 20/pkg



Download spec sheet

Base Data

Local Order Number	333-41509
Type	TFN31-ST-4.5/1.5 BK
Color	Black (BK)
Features and Benefits	<ul style="list-style-type: none"> • 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, 4FT-Stick, 3:1, 3/16", 4.8/1.5 dia., Polyolefin, Black, 20/pkg

Product Dimensions

Length L (Metric)	1.22 m
Printable (Yes/No)	No
Shrink Ratio	3:1
Tensile Strength (MPa)	14 MPa
Trade Size	3/16 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10 ¹¹ Ω cm
Nominal Diameter (Imperial)	3/16 "
Nominal Diameter (Metric)	4.5 mm
Wall Thickness WT (Imperial)	0.024 "
Wall Thickness WT (Metric)	.60 mm
Recovered Diameter d (metric)	1.5 mm
Recovered Diameter d (imperial)	0.094 "
Supplied Diameter D (imperial)	0.188 "
Supplied Diameter D (metric)	4.8 mm

Logistics and Packaging

Quantity Per	lengths
Package Quantity	20

Material and Specifications

Material	Polyolefin, cross-linked (PO-X)
Material Shortcut	PO-X
Dielectric Strength (Metric)	20 kV/mm
Elongation at break	600%
Flammability	UL224 VW-1
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 CSA
UL Recognized (US)	Yes