

333-41511

Article Number: 333-41511



Description: Heat Shrink Tubing, 4' Long Stick, 3:1 Shrink Ratio, 3/8", 9.5/3.0 Dia, PO, Black, 15/pkg

Base Data	
Local Order Number	333-41511
Type	TFN31-ST-9/3
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.
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, 3/8", 9.5/3.0 Dia, PO, Black, 15/pkg
Product Dimensions	
Length L (Metric)	1.22m
Shrink Ratio	3:1
Trade Size	3/8 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10 ¹⁴ Ω cm
Nominal Diameter (Imperial)	3/8"
Nominal Diameter (Metric)	9mm
Wall Thickness WT (Imperial)	.029"
Wall Thickness WT (Metric)	0.75mm
Recovered Diameter d (metric)	3.0mm
Recovered Diameter d (imperial)	0.188"

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Product Dimensions	Supplied Diameter D (imperial)	0.375"
	Supplied Diameter D (metric)	9.0mm
Material and Specifications		
	Material	Polyolefin, cross-linked (PO-X)
	Material Shortcut	PO-X
	Dielectric Strength (Metric)	<gt;20 kV/mm
	Elongation at break	600%
	Flammability	UL 224 VW-1
	Halogenfree	No
	Shrink Temperature	+158 °F (+70 °C)
	Operating Temperature	-67°F to +275°F (-55°C to +135°C)
	ROHS Compliant	Yes
	Certification/Specification	UL ANSI/UL 224
	UL Recognized (US)	Yes
Logistic and Packaging		
	Package Quantity (Imperial)	15
	Package Quantity (Metric)	15
	Customs Number(Schedule B)	3926909987