

333-41509

Article Number: 333-41509

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



Base Data	Local Order Number	333-41509
	Type	TFN31-ST-4.5/1.5
	Color	Black (BK)
	Features and Benefits	<ul style="list-style-type: none"> <li>• Thin wall, flexible 3 to 1 shrink ratio material accommodates a wide range of component shapes and diameters.</li> <li>• Meets UL224 VW-1 specifications, making it ideal for high heat applications (excludes clear tubing).</li> <li>• Polyolefin material provides excellent insulation and mechanical strength with good resistance to solvents, oils and fuels.</li> <li>• Available in bulk reels, sticks and convenience bags (HIS-3 bags), for small to large volume applications.</li> </ul>
	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
	Product Dimensions	Length L (Metric)
Printable (Yes/No)		No
Shrink Ratio		3:1
Trade Size		3/16 "
Variant		Thin-Wall
Volume Resistance (Ohm cm)		10 <sup>14</sup> Ω cm
Nominal Diameter (Imperial)		3/16"
Nominal Diameter (Metric)		4.5mm
Wall Thickness WT (Imperial)		.024"
Wall Thickness WT (Metric)		0.60mm
Recovered Diameter d (metric)		1.5mm

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Product Dimensions	Recovered Diameter d (imperial)	0.094"
	Supplied Diameter D (imperial)	0.188"
	Supplied Diameter D (metric)	4.5mm
Material and Specifications	Material	Polyolefin, cross-linked (PO-X)
	Material Shortcut	PO-X
	Dielectric Strength (Metric)	>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)
Package Quantity (Metric)		20
Customs Number(Schedule B)		3926909987