

308-31220

HellermannTyton



Article Number: 308-31220

Description: Heat Shrink Tubing, HIS-3-Bag, 3:1 Shrink Ratio, 1/2", 12.7/4.0 Dia, PO, Black, 10/pkg

Base Data	
Local Order Number	308-31220
Type	HIS-3-BAG 12/4 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.
Quantity Per	bag
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 Shrink Ratio, 1/2", 12.7/4.0 Dia, PO, Black, 10/pkg
Product Dimensions	
Length L (Metric)	200mm
Length L3 (imperial)	6.0"
Length L3 (metric)	152.4mm
Printable (Yes/No)	No
Shrink Ratio	3:1
Trade Size	1/2 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10 ¹⁴ Ω cm (ASTM D 876)
Nominal Diameter (Imperial)	1/2"
Nominal Diameter (Metric)	12.7mm
Wall Thickness WT (Imperial)	.031"

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Product Dimensions	Wall Thickness WT (Metric)	.80mm
	Recovered Diameter d (metric)	4.0mm
	Recovered Diameter d (imperial)	0.157"
	Supplied Diameter D (imperial)	0.5"
	Supplied Diameter D (metric)	12.7mm
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	SAE - AMS - DTL-23053/5 Class 1 and 3
UL Recognized (US and Canada)	Yes	
Logistic and Packaging		
	Package Quantity (Imperial)	10
	Package Quantity (Metric)	10Pieces
	Customs Number(Schedule B)	3926909987