# HellermannTyton

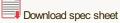
## 308-30421



Article Number: 308-30421

Heat Shrink Tubing, HIS-3-Bag, 3:1, 3/16", 4.8/1.5 dia., Polyolefin, Clear, 10/pkg

## RoHS



#### Base Data

Local Order Number	308-30421
Туре	HIS-3-BAG 4.5/1.5 CL
Color	Clear (CL)
Features and Benefits	<ul> <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>
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, 3/16", 4.8/1.5 dia., Polyolefin, Clear, 10/pkg

#### **Product Dimensions**

Length L (Metric)	200 mm
Length L3 (imperial)	6.0 "
Length L3 (metric)	152.4 mm
Shrink Ratio	3:1
Tensile Strength (MPa)	14 MPa
Trade Size	3/16 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10'Ι Ω cm (ASTM D 876)
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)	0.059 "
Supplied Diameter D (metric)	4.8 mm
Supplied Diameter D (imperial)	0.188 "

## Logistics and Packaging

Quantity Per bag Package Quantity 10

# 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)
Shrink Temperature	+212 °F (+100 °C)
Operating Temperature	-67°F to +275°F (-55°C to +135°C)
<b>ROHS</b> Compliant	Yes
Certification/Specification	SAE - AMS - DTL-23053/5 Class 1 and 3 SAE - AMS - DTL-23053/5 Class 2 (clear) UL224 125 °C 600V VW-1
UL Listed (US and Canada)	Yes

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