




308-31221



Article Number: 308-31221

Heat Shrink Tubing, HIS-3-Bag, 3:1, 1/2", 12.7/4.0 dia., Polyolefin, Clear, 10/pkg

 RoHS



Download spec sheet

Base Data

Local Order Number	308-31221
Type	HIS-3-BAG 12/4 CL
Color	Clear (CL)
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>
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, 1/2", 12.7/4.0 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	1/2 "
Variant	Thin-Wall
Volume Resistance (Ohm cm)	10 <sup>11</sup> Ω cm (ASTM D 876)
Nominal Diameter (Imperial)	1/2 "
Nominal Diameter (Metric)	12.7 mm
Wall Thickness WT (Imperial)	0.031 "
Wall Thickness WT (Metric)	.80 mm
Recovered Diameter d (metric)	4.0 mm
Recovered Diameter d (imperial)	0.157 "
Supplied Diameter D (imperial)	0.5 "
Supplied Diameter D (metric)	12.7 mm

Logistics and Packaging

Quantity Per	bag
Package Quantity	10

Package Quantity (Metric) 10 Pieces

## Material and Specifications

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<b>Material</b>	Polyolefin, cross-linked (PO-X)
<b>Material Shortcut</b>	PO-X
<b>Dielectric Strength (Metric)</b>	20 kV/mm according to ASTM D 150
<b>Elongation at break</b>	800% nach ASTM D2671
<b>Flammability</b>	UL224 VW-1 (except clear)
<b>Halogenfree</b>	No
<b>Shrink Temperature</b>	+212 °F (+100 °C)
<b>Operating Temperature</b>	-67°F to +275°F (-55°C to +135°C)
<b>ROHS Compliant</b>	Yes
<b>Certification/Specification</b>	SAE - AMS - DTL-23053/5 Class 2 (clear) UL224 125 °C 600V VW-1 SAE - AMS - DTL-23053/5 Class 1 and 3
<b>UL Listed (US and Canada)</b>	Yes
<b>UL Recognized (US and Canada)</b>	Yes