

## Specification Sheet

Part Number: 318-60154

Adhesive lining provides an excellent seal against moisture and humidity.

Thin exterior wall is very flexible, while providing superior insulation of cables and components.

3 to 1 shrink ratio 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 mechanical strength with good resistance to solvents, oils and fuels.

4-foot sticks are individually tagged and come in a retail box.



Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 1/2", 12.0/4.0 Dia, PO, Black, 10/pkg

Article Number	318-60154
Type	TAN33-ST-12/4 BK
Color	Black (BK)
Quantity Per	pack

Product Description	TAN33 is a flexible, thin wall adhesive-lined heat shrink tubing with highly flame retardant properties. The 3 to 1 shrink ratio accommodates a wide range of component shapes and diameters. The adhesive lining begins to activate as the temperature reaches 176° F (80° C), to create a strong seal against moisture and humidity.
Short Description	Heat Shrink Tubing, 4' Long Stick, Adhesive Lined, 3:1 Shrink Ratio, 1/2", 12.0/4.0 Dia, PO, Black, 10/pkg
Global Part Name	TAN33-ST-12/4 BK-PO-X-BK
Length L (Imperial)	4.0
Length L (Metric)	1.22
Variant	Thin-Wall
Nominal Diameter (Imperial)	0.5
Nominal Diameter (Metric)	12
Wall Thickness WT (Imperial)	.063
Wall Thickness WT (Metric)	1.60
Material	Polyolefin, cross-linked (PO-X)
Material Shortcut	PO-X
Adhesive	Hot melt adhesive

Flammability	UL 224 VW-1
Halogen Free	No
UV Resistant (Yes/No)	No
Use Conditions	For Indoor Use Only
Operating Temperature	-67°F to +257°F (-55°C to +125°C)
Reach Compliant (Article 33)	Yes
ROHS Compliant	Yes
Certification/Specification	CSA
UL Recognized (US)	Yes
UL Recognized (US and Canada)	Yes
Package Quantity (Imperial)	10
Package Quantity (Metric)	10
Customs Number	3926909988