# HellermannTyton

## 318-60153



Article Number: 318-60153

Heat Shrink Tubing, 4FT-Stick, Adhesive Lined, 3:1, 3/8", 9.0/3.0 dia., Polyolefin, Black, 15/pkg



#### **Base Data**

Local Order Number 318-60153

Type TAN33-ST-9/3 BK

Color Black (BK)

- Features and Benefits Adhesive lining provides an excellent seal against moisture and humidity.
  - · 3 to 1 shrink ratio accommodates a wide range of component shapes and diameters, while thin exterior wall is very flexible and provides superior insulation.
  - Meets UL224 VW-1 specifications making it ideal high heat applications (excludes clear tubing).
  - Polyolefin material provides mechanical strength with good resistance to solvents, oils and fuels.

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. 4-foot sticks are individually labeled for retail.

Short Description Heat Shrink Tubing, 4FT-Stick, Adhesive Lined, 3:1, 3/8", 9.0/3.0 dia., Polyolefin, Black, 15/pkg

## **Product Dimensions**

Length L (Imperial) 4.0 ft

Length L (Metric) 1.22 m

Printable (Yes/No) No

Shrink Ratio 3:1

Tensile Strength (MPa) 12 MPa

**Trade Size** 3/8 "

Variant Thin-Wall

Volume Resistance (Ohm cm)  $10^{1}$   $\Omega$  cm

Nominal Diameter (Imperial)

Nominal Diameter (Metric) 9 mm

Wall Thickness WT (Imperial) 0.056 "

Wall Thickness WT (Metric) 1.40 mm

Recovered Diameter d (metric) 3.0 mm

Recovered Diameter d (imperial) 0.118 "

Supplied Diameter D (imperial) 0.354 "

Supplied Diameter D (metric) 9.0 mm

### **Logistics and Packaging**

Quantity Per pack

Package Quantity 15

## **Material and Specifications**

Material Polyolefin, cross-linked (PO-X)

Material Shortcut PO-X

Elongation at break 400%

Halogenfree No

Shrink Temperature +212 °F (+100 °C)

**Operating Temperature** -67°F to +257°F (-55°C to +125°C)

ROHS Compliant Yes
UL Recognized (US) Yes