# HellermannTyton

### 309-60312



Article Number: 309-60312

Heat Shrink Tubing, Mini Reel, 2:1, 3/4", 19.1/9.5 dia., Polyolefin, White, 25.0 ft/Reel

Rous

#### **Base Data**

Local Order Number 309-60312

Type TFN21-19.1/9.5 WH

Color White (WH)

Features and Benefits • Thin, 2 to 1 shrink ratio tubing provides insulation and abrasion protection for wires and cables.

• Flammability rating of UL224 VW-1 for use in applications requiring the highest degree of flame protection (excludes

clear tubing).

• Flexible-yet-durable material resists most common oils, chemicals and fluids.

• Available in a variety of diameters and colors for identifying and marking wires and cables.

• Available in mini reels, bulk reels, and sticks for small to large volume applications.

Product Description TFN21 is a highly flexible thin wall heat shrink tubing with a 2 to 1 shrink ratio and excellent flame retardant

properties. In addition to providing insulation and abrasion protection for wires and cables, the polyolefin material also offers resistance to oils, solvents and chemicals. Available in mini reels, bulk reels and sticks, for small to large

volume applications.

Short Description Heat Shrink Tubing, Mini Reel, 2:1, 3/4", 19.1/9.5 dia., Polyolefin, White, 25.0 ft/Reel

#### **Product Dimensions**

Length L2 (Imperial) 25.0 ft

Length L2 (Metric) 7.6 m

Printable (Yes/No) Yes

Shrink Ratio 2:1

Tensile Strength (MPa) 14 MPa

Trade Size 3/4"

Variant Thin-Wall

Volume Resistance (Ohm cm) 10<sup>1</sup>I Ω cm

Nominal Diameter (Imperial) 3/4 "

Nominal Diameter (Metric) 19.1 mm

Wall Thickness WT (Imperial) 0.027 "

Wall Thickness WT (Metric) .68 mm

Recovered Diameter d (metric) 9.5 mm

Recovered Diameter d (imperial) 0.375 "

Supplied Diameter D (metric) 19.1 mm

Supplied Diameter D (imperial) 0.75 "

#### **Logistics and Packaging**

Quantity Per reel

Package Quantity 25 ft

## **Material and Specifications**

Material Polyolefin, cross-linked (PO-X)

Material Shortcut PO-X

Dielectric Strength (Metric) 20 kV/mm

Elongation at break 6

Flammability UL224 VW-1

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 UL224 125 °C 600V VW-1

CSA

UL Recognized (US) Yes