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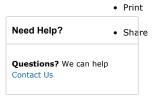
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## 3M™ Heat Shrink Thin-Wall Tubing FP-301



3M™ Heat Shrink Tubing FP-301 offers an outstanding balance of electrical, physical and chemical properties for a variety of industrial and military applications. FP-301 tubing is split resistant, mechanically tough, easily marked and resists cold flow



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Overview **Documents Specifications** CSA, CSA, UL Recognized **Agency Approvals** China RoHS - Below Undetermined, Yes Color White, Blue, Red, Black, Green, Yellow, Clear **Dielectric Strength** 900 Volt 400 % Elongation EU RoHS Compliant Undetermined, Yes **Expanded Inner** 1.25 Inch, 0.75 Inch, 0.375 Inch, 0.187 Inch, 0.093 Inch, 1 Inch, 0.063 Inch, 0.5 Diameter Inch, 0.125 Inch, 3 Inch, 4 Inch, 0.25 Inch, 1.5 Inch, 2 Inch, 0.046 Inch 76.2 mm, 2.36 mm, 19.05 mm, 1.17 mm, 9.53 mm, 50.80 mm, 38.10 mm, 1.59 **Expanded Inner** Diameter (metric) mm, 101.6 mm, 12.70 mm, 3.18 mm, 25.40 mm, 4.75 mm, 6.35 mm Family 3M<sup>™</sup> Heat Shrink Thin-Wall Tubing FP-301 Flame Retardant Yes, No Flammability Rating No Flame Rating, UL 224 All Tubing Flame Test 200 Linear Foot, 50 Linear Foot, 1000 Linear Foot, 6 Inch, 48 Inch, 4 Linear Foot, Length 100 Linear Foot, 300 Linear Foot, 150 Linear Foot, 6 Linear Foot, 12 Inch, 250 Linear Foot, 500 Linear Foot Flexible Polyolefin, Polyolefin Material AMS-DTL-23053/5, Class 2, AMS-DTL-23053/5, Class 1 Mil Spec Minimum Expanded 3 Inch, 4 Inch, 1 Inch, 2 Inch Tubing I. D. Non-Corrosive Operating -55 to 135 Degrees Celsius Temperature (Celsius)

**Operating** -67 to 275 Degree Fahrenheit

Temperature (Fahrenheit)

**Product Form** 6 in (15.24 cm) pieces, 48 in (1.22 m) sticks with header label, 48 in (1.22 m)

sticks

Recovered Inner Diameter 0.75 Inch, 0.13 Inch, 0.375 Inch, 0.187 Inch, 0.093 Inch, 1 Inch, 0.02 Inch, 0.062 Inch, 0.31 Inch, 0.19 Inch, 0.63 Inch, 0.031 Inch, 0.023 Inch, 0.5 Inch, 0.06 Inch,

0.125 Inch, 3 Inch, 0.25 Inch, 1.5 Inch, 0.05 Inch, 2 Inch, 0.046 Inch

Recovered Inner Diameter (metric) 25.4 mm, 38.1 mm, 3.18 mm, 2.36 mm, 12.7 mm, 0.58 mm, 6.4 mm, 4.75 mm,

**ameter (metric)** 19.1 mm, 1.57 mm, 1.17 mm, 0.8 mm, 9.52 mm, 50.8 mm

Shrink Ratio 2:1

Size 0.50 Inch, 0.1875 Inch, 0.75 Inch, 0.375 Inch, 1.50 Inch, 0.125 Inch, 0.25 Inch,

0.0625 Inch, 3.00 Inch, 2.00 Inch, 0.0938 Inch, 1.00 Inch, 0.0469 Inch, 4.00 Inch

**Size (metric)** 76.2 mm, 12.7 mm, 4.75, 19.05 mm, 1.17 mm, 50.8 mm, 1.59 mm, 25.4 mm,

101.6 mm, 3.18 mm, 38.1 mm, 3.18, 2.38 mm, 6.35 mm, 4.75 mm, 9.52 mm

**Tensile Strength** 2400 Pound-Force Per Square Inch

Trademark 3M

Tubing Type Single (Thin) Wall

UL Bug 125 Degrees Celsius

Temperature (Celsius)

**UL Bug** 257 Degrees Fahrenheit

Temperature (Fahrenheit)

**UL Bug Voltage** 600 Volt

**UL File Number** E-39100

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