

3M™ Tubing TMW

Adhesive Lined, Translucent, Semi-Rigid Polyolefin

Data Sheet

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Description

3MTMW tubing is a semi-rigid, translucent heat-shrinkable polyolefin tubing that is coextruded and selectively cross-linked with an integral, meltable inner wall.

When heated in excess of 135°C (275°F), the adhesive inner wall of the tubing is softened and forced by the shrinking action of the outer wall into contact with all underlying surfaces and small voids. The adhesive forms a flexible bond with a wide variety of rubbers, plastics and metals. Upon cooling, 3M TMW tubing helps provide a tough, protective and insulating barrier, highly resistant to penetration by moisture, chemicals and solvents.

3M TMW tubing is rated for continuous operation at temperatures from -55°C (-67°F) to 110°C (230°F) and will withstand higher operating temperatures for brief periods. Adhesive reflow will occur at temperatures above 80°C (176°F).

Regulatory Information

For RoHS and REACH information, please visit www.3M.com/regs

Typical Applications

The primary application for 3M TMW tubing is in the manufacture of heat shrink butt connectors, disconnects, ring terminals and fork terminals. Other applications include braided-shield pigtails, mechanical assemblies, electronic components, electrical wire splices, breakouts, solder joints, delicate wire terminations and end-sealing of electrical cables.

3M TMW tubing can withstand the crimping force of standard crimp tools without puncture or splitting during heat recovery. The tubing remains round when cut, making it ideal for use in high speed processing and assembly equipment.

Standard Colors

3M TMW tubing is available color coded by diameter. Please see chart below.

Standard Packaging

3M TMW tubing is supplied in cut pieces. Standard lengths are available in 10,000 piece cartons, other lengths and diameters are available subject to factory quotation.

Ordering Information

Order 3M TMW tubing in the size equivalent to the expanded inside diameter required. Always order the largest size that will shrink snugly over the component to be covered. Nonstandard diameters and cut lengths are available subject to factory quotation. Example: TMW Red 183-1.50

Please contact your local distributor; available from 3M.com/oem [Where to Buy] or call 1-800-676-8381.

