



## Heat Shrinkable Tubing & Sleeving Product Overview

Commonly referred to as shrink tubing, heat shrink tubing, we are proud to offer all varieties of polyolefin, fluoropolymer (PVC, FEP, PTFE, Kynar® PVDF), and chlorinated polyolefin (Neoprene). Our natural and colored heat shrink tubing conforms to all major commercial and military specifications, including MIL-I-23053, Underwriters' Laboratory (UL) VW-1 flame test, and CSA.

Typical applications for the heat shrink tube include: electrical insulation, termination, splicing, cable bundling, color coding, strain relief, wire marking, identification, mechanical protection, corrosion protection, abrasion protection and moisture and weather sealing.

Heat shrink tubing can be used for many different applications, and in various environments from -270°C to 260°C, in a wide variety of chemicals. Our colored heat shrink tubing is available in thin, medium or heavy wall configurations, with melt-and-flow adhesives, weatherproofing encapsulates, and more than 15 different colors, including Yellow/Green stripes for ground identification. Whether you want to purchase colored heat shrink tubing by the foot or in large economical bulk spools, we can accommodate your needs.

The most common heat shrink tubing is sold in a 2:1 or 3:1 expanded form; with many other shrink ratios and adhesive linings readily available to suit your unique needs in military and commercial electronics, telecommunications, aerospace, automotive, rail/transit and many other industries.

**Polyolefin Tubing** is a variety of heatshrink tubing that is highly resistant to flame, highly flexible and has excellent chemical, physical and electrical properties. Polyolefin tubing has a low shrink temperature that can be easily marked. Polyolefin Tubing has superior resistance to abrasion and meets UL, CSA and military specifications. Please see the Polyolefin Tubing product page for a complete listing of Polyolefin Heat Shrink Tubing specifications.

**Dual Wall Polyolefin Tubing** is a selection of heatshrink tubing with a flexible adhesive liner and a great shrink ratio that allows a broader range of applications. Dual Wall Polyolefin Tubing bonds to a wide variety of plastics, rubbers and metals; medium wall increases mechanical strength and cut-through resistance. Dual Wall Polyolefin Tubing provides a permanent, waterproof environmental seal and meets military specifications. Refer to Dual Wall Polyolefin Tubing product page for a complete listing of Dual Wall Polyolefin Heat Shrink Tubing specifications.

**Shrinkable PVC Tubing** is an economical variety of heatshrink tubing designed to contract with a low temperature application. Shrinkable PVC Tubing resists sunlight, moisture and fungus and is highly flame retardant; can be found in vivid and 'crystal' clear colors. Characteristics meet the UL, CSA & military specifications. Please see the Shrinkable PVC Tubing product page for a complete listing of Shrinkable PVC Heat Shrink Tubing specifications.

**Specialty Tubing** includes products as medical grade, food grade, Kynar, Neoprene, Diesel resistant and others such as Teflon tubing, and Convoluted tubing. Specialty tubing resists a wide range of chemicals and oils, moisture, sunlight and fungus. Specialty Tubing also is flexible heat shrinkable tubing that is environmentally friendly. This selection of heat shrink tubing meets USP Class VI and USFDA Reg. C.F.R.177.1330 requirements. Please see the Specialty Tubing product page for a complete listing of Specialty Heatshrink Tubing specifications.

Please Note: Heat Shrink Tubing Diameters are measured as ROUND TUBE, NOT FLAT

## Fiberglass Electrical Sleeving

For applications requiring high temperature resistance without the tight fit requirement, consider **Heat Treated Fiberglass Electrical Sleeving** from Professional Plastics. Sleeving offers an easy and affordable alternative to heat shrink tubing. Sleeving is made to fit comfortably over wire and cable without needing to be heat-shrunk to size first.

### Heat Treated Fiberglass Sleeving

- Fiberglass Sleeving is made of Class C insulation material that is closely woven 100% fiberglass construction for high temperature applications (up to 1200°F). This sleeving provides abrasion resistance with high flexibility.
- Sizes range from #24 to 1”.
- 240°C to 650°C operating temperature range.
- Insulation Class C.
- Standard color is natural. Other colors available upon request.
- UL and VW-1.
- Available in standard and heavy walls.
- RoHS compliant.



### Heat Treated & Acrylic Saturated Fiberglass Sleeving

- Acrylic Saturated Fiberglass Sleeving capable of short term performance to 650°C.
- This material is non-fraying and flexible.
- Sizes range from #24 to 1”.
- 240°C to 650°C operating temperature range (colors may fade or bake at 400°C).
- Insulation Class C.
- Standard colors are natural and black. Other colors available upon request.
- UL and VW-1.
- Available in standard and heavy walls.
- RoHS compliant.

### Acrylic Coated Fiberglass Sleeving

- This product is a class F (155°C) insulating sleeving.
- Excellent electrical, chemical and oil resistance properties.
- High heat stability and flexibility.
- Sizes range from #24 to 2”.
- Continuous operating temperature to 155°C.
- Standard colors are black, yellow and natural. Other colors available upon request.
- Meets MIL-I-3190F, UL/CSA.
- Grade A 7000 v. min. avg.
- Grade B 4000 v. min. avg.
- Grade C-1 2500 v. min. avg.
- Grade C-2 1500 v. min. avg.
- Grade C-3 N/A.
- RoHS compliant.

### Vinyl Coated Fiberglass Sleeving

- This product consists of a fiberglass braid with an electrical grade vinyl coating specially formulated for exceptional heat resistance and stability.
- This is a Class B (130°C) insulating sleeve.

- Sizes range from #24 to 1-1/2".
- -20°C to 130°C operating temperature range.
- Standard color is black. Other colors available upon request.
- Grade A 7000 v. min. avg.
- Grade B 4000 v. min. avg.
- Grade C-1 2500 v. min. avg.
- MIL-I-22157 and MIL-I-3190E, UL/CSA approved.
- RoHS compliant.

### **Silicone Rubber Fiberglass Slewing**

- This product is the ultimate in Class H (200°C) insulating material. The closely woven glass braid is uniformly coated with high abrasion resistant silicone rubber, offering good dielectric strength and flexibility throughout a wide operating temperature range.
- -70°C to 200°C operating temperature range.
- Standard colors are white, black and natural. Other colors available upon request.
- Grade A 8000 v. min. avg.
- Grade B 4000 v. min. avg.
- MIL-I-3190E, UL/CSA.
- RoHS compliant.

### **Expandable Monofilament Slewing**

- Self fitting, braided Polyethylene Terephthalate (PET) polyester and FR treated polyester.
- Also available in Braided Halar (E-CTFE) having excellent chemical and flame resistance.
- This material is tough and lightweight demonstrating excellent chemical and fungus resistance while providing good mechanical properties.
- UL recognized for use up to 150°C.
- FR is flame retardant and also VW-1 rated.
- Sizes range from 1/8" to 2".
- Standard color is black. Other colors available upon request.
- Flame retardant material is available in black or white with an opposite color crisscross tracer.
- RoHS compliant.

**Call Professional Plastics at (888) 995-7767 or  
E-Mail [sales@proplas.com](mailto:sales@proplas.com)  
Order Online at [www.professionalplastics.com](http://www.professionalplastics.com)**