



TUFF TEMP CORPORATION

– *HEAT RESISTANT TEXTILES AND BELTING* –

928 Jaymor Road Suite C-150 • Southampton, PA 18966

Phone: (215) 322-9670 • www.tufftemp.com • Fax: (215) 322-3905

Seamless Tubing – Roller Covers

Tuff Temp has designed two unique seamless tubular products (woven and knitted) for use in various hot end manufacturing processes. The yarn type and fabric construction of each of these final products has been engineered to specifically handle a wide range of ware contact temperatures.

Tuff Temp Kevlar Woven Tubing

Our standard Tuff Temp tubing, pattern #77-464 has been woven with coarse, mechanically enhanced Kevlar yarns. It has superior heat and wear resistance and proven durability over other braided fabrics.

Seamless Kevlar Tubing are typically used as roller covers in automotive glass bending, tempering and lamination ranges. Our tubing are used to help convey hot windscreens, backlights, sidelights, etc. The tubing is used as protective roller covering on the press rolls, blast head rolls and cooling rolls.

Tuff Temp currently supplies our Kevlar tubing to many of the worlds largest automotive glass manufacturers (i.e. Pilkington, Seckurit, Saint Gobain, Visteon). Our tubing has consistently proven to be the longest lasting and most durable roller covers available today.

Pattern: 77-464 (Woven)

Available ID Sizes (inches): 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/16, 1 1/18, 1 1/4, 1 3/8, 1 1/2, 1 9/16, 2, 2 1/2, 3

Available ID Sizes (mm): 3.2, 4.8, 6.3, 9.5, 12.7, 16, 19, 25, 27, 28.5, 31.3, 35, 38, 40, 50, 64, 76

An enhanced version of our standard tubing, Tuff Temp pattern #88-881 is a unique blend of Kevlar and 7 Mil Brass yarns. The unique construction of this product imparts added heat and abrasion resistance for your hotter and heavier ware processing.

Pattern: 88-881 (Woven)

Available ID Sizes (inches): 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 1, 1 1/16, 1 1/18, 1 1/4, 1 3/8, 1 1/2,

Available ID Sizes (mm): 3.2, 5, 6.3, 9.5, 12.7, 16, 19, 25, 27, 28.5, 32, 35, 38



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Tuff Temp Kevlar Knitted (TUFFNIT) Tubing

Tuff Temps new TUFFNIT tubing has been designed to be used as a 1 piece cover on the rollers.

Traditionally, within most automotive glass bending and tempering ranges, two roller cover materials have been used on the individual rollers - an underlayer covering and an outerlayer covering. The two piece covering was used because it provided better cushioning, increased roller diameters, and slightly longer material life.

However, our new TUFFNIT tubing has been engineered to be used as a 1 piece covering on the rollers, allowing you to eliminate all costs and man-hours associated with using and handling an underlayer material. This provides **significant cost savings** on time and materials.

In addition, in head to head testing at several leading automotive glass plants, TUFFNIT's material wear life regularly exceeded that of the two piece covering, providing **significant cost savings** in production.

Our TUFFNIT product also provides very good optics on the hot glass because of the knit construction, and it adheres well to the rollers without any creases or seams.

Our TUFF TEMP TUFFNIT tubing have proved to be the ideal protective covering for your rollers.

TUFF TEMP tubing has proven temperature resistance up to 1350° F 732° C, making it ideal to handle the higher temperatures experienced in the press bending section of the range

Using large mechanically enhanced Kevlar yarns, TUFF TEMP tubing has superior cut resistance, so it better resists tearing from glass breakage – a common failure point amongst competing roller cover materials

TUFF TEMP seamless tubing adheres well to your rollers with virtually no slack or creases, providing superior optics on the hot glass

TUFFNIT Tubing available in 1 ½" ID (38 mm) 1" ID (25 mm) and 2" ID (50 mm).

No Charge Samples are available for all of our Seamless Tubing Products. Please provide the required ID size and we would be please to send you enough feet / meters to trial test against your current supplier.