



# TECHNICAL DATA

## TUFF-TAPE “PW” POLYESTER REINFORCING FABRIC

**DESCRIPTION:** TUFF-TAPE “PW” Polyester Reinforcing Fabric is a woven polyester sheet product of continuous-filament polyester fibers. While the chemical and thermal properties of TUFF-TAPE “PW” Polyester Reinforcing Fabric are essentially those of polyester fiber, the product’s woven structure endows it with an extraordinary combination of physical properties.

The distinctive characteristics of TUFF-TAPE “PW” Polyester Reinforcing Fabric include high tensile strength combined with high elongation, outstanding tear strength and toughness, high bulk, non-raveling edges, and excellent dimensional stability.

**TYPICAL PHYSICAL PROPERTIES:**

|                        |  |
|------------------------|--|
| Tensile Strength       | 60 lbs. of grab  |
| Elongation             | Up to 40%  |
| Tear Strength          | Excellent stress distribution  |
| Moisture Effects       | 0.5% absorption at relative humidity of 98%                              |
| Sunlight Resistance    | 80% tensile strength retention after six-month exposure test             |
| Temperature Resistance | Up to 350° F   |
| Chemical Resistance    | Good resistance to acids & alkalis at ph of 2 to 10 at room temperatures |

**AVAILABILITY:** TUFF-TAPE “PW” Polyester Reinforcing Fabric is available in four sizes:

| ROLL SIZE  | SQUARE FEET        | ROLLS/CASE         |
|------------|--------------------|--------------------|
| 4” x 300’  | (100 square feet)  | 9 rolls per carton |
| 6” x 300’  | (150 square feet)  | 6 rolls per carton |
| 12” x 300’ | (300 square feet)  | 3 rolls per carton |
| 40” x 325’ | (1080 square feet) | 1 roll per carton  |

**ADVANTAGES:**

1. High tensile strength and toughness
2. High ultimate elongation.
3. Excellent tear strength.

4. Non-Raveling. No fiber breakage or dusting during handling and use.
5. Lightweight.
6. Outstanding resistance to cold cracking, chemicals and solvents.
7. Properties are not affected by water. Dimensionally stable during changes in humidity.
8. Non-irritating to the skin.
9. High resistance to splitting or cracking from thermal shock, low temperatures, freeze/thaw cycles, folding, creasing and rough handling.
10. Resistant to chemicals and solvents found in aromatic polyurethanes, asphalt and coal tar modified polyurethanes and other cold-applied systems as well as lubricants used for maintenance of rooftop motors and air conditioners.
11. Outstanding resistance to rot and water damage.
12. Temperature resistance to intermittent exposure up to 350° F (177° C).

**LIMITED WARRANTY:**

TUFFLEX Polymers (TUFFLEX) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any TUFFLEX materials prove to contain manufacturing defects that substantially affect their performance, TUFFLEX will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by TUFFLEX with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. TUFFLEX specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of TUFFLEX’S liability and buyer’s remedy under this limited warranty shall not exceed the purchase price of the TUFFLEX material in question.

TUFF-TAPE “PW” (06)