



**FABRIC
DEVELOPMENT
INC.**



Stabilized Fabrics for RTM and VaRTM





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Stabilized Fabrics for RTM and VaRTM:

Developed by TPI as a method to stabilize standard fabrics for a variety of applications to assist in composite molding via Resin Transfer Molding (RTM) or Vacuum assisted Resin Transfer Molding (VaRTM). For many years molders have used dry fabrics and tried various methods to allow better cutting, handling and layup. TPI offers our Stabilized Fabrics to assist in these manufacturing challenges.

These unique fabrics are a woven base layer that is combined with stabilization veil which has 1-3% contribution the weight. Besides our stock fabrics, the stabilizing veils can be applied to custom constructions incorporating a wide range of input fibers.

Unique Benefits:

- More stable fabric during ply cutting, reduces waste and increases efficiency
- The fabric is easier to handle during layup of complex shapes
- Can be heated and made "tacky" for layup without use of tackifier spray
- Wide range of carbon fabric and veil options are available
- Increase thruput and save costs

TPI Stabilized Fabrics - Standard Stock Sizes

Style#	Weave Style	Warp Fiber	Fill Fiber	Yarn Count	Fabric Areal Weight	Veil Weight	Melting Range, DSC	Thickness	Width
4582	2x2 TWILL	T700SC 12K	T700SC 12K	10.5x10.5	19.5 oz/yd2	1%	83-96°C	0.036"	50"
4865	2x2 TWILL	TR30S 3K	TR30S 3K	13.5x13.5	6.21 oz/yd2	3%	83-96°C	0.036"	50"

