

Product Data Sheet

DRY SKU: PW01-W42-335
PREPREG (NEWPORT NB301) SKU: PW01-W42-335-NB301
TOOLING PREPREG (SHD LTC216) SKU: PW01-W42-335-LTC216



Product Description

- SUPERCOMP PW DRY is a carbon fiber fabric coated with 150µm milled carbon fibers that are aligned in the Z-axis (orthogonal to the fabric)
- SUPERCOMP PW DRY provides excellent dimensional stability and durability, three-dimensional conductivity and surface finish, and enables both ease of ply kitting and the resin infusion of thick parts
- This product **does not** contain any nanomaterials or nanofibers

Process Compatibility

- SUPERCOMP PW DRY can be used in resin transfer molding (RTM), vacuum-assisted RTM (VARTM), and wet layup
- Contact Boston Materials for any questions about the compatibility of SUPERCOMP products for your application

Physical Properties

	Supercomp 1015 Plain Weave	Unit
Ply Thickness @ 55% FV	0.34 [0.013]	mm [in]
Fiber Areal Weight	320	g/m ²
Total Areal Weight	335	g/m ²
3K 13x13 Plain Weave (T300)	200	g/m ²
Dry Stabilized ZRT Film (PX30)	120	g/m ²
Light Polyester Adhesive Veil	15	g/m ²

RTM & VARTM Processing Parameters

Producing a 12" x 12" x 0.110" panel made with SUPERCOMP 1015 PW DRY using **RTM (resin transfer molding)**:

- A mixture of EPON™ 862 epoxy resin and EPIKURE™ W hardener was used as the matrix
- The resin was held at approximately 100F prior to injection
- The preform wet out in approximately 2-3 minutes using 30-40 psi injection pressure

Producing a 12" x 12" x 0.110" panel made with SUPERCOMP 1015 PW DRY using **VARTM (vacuum-assisted RTM)**:

- A mixture of EPON™ 862 epoxy resin and EPIKURE™ W hardener was used as the matrix
- Resin was held at approximately 100F prior to injection
- The preform wet out in approximately 18 minutes using atmospheric pressure

The infusion time for RTM and VARTM is dependent upon the flow rate, the resin, and the geometry and volume of the mold

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