

CONFORMAT N863 REINFORCING MAT

I. DESCRIPTION

Conformat N863 is a continuous strand, glass fiber reinforcing mat. N863 is porous, very conformable making it an excellent reinforcing mat for complicated contoured parts manufactured by Resin Transfer Molding (RTM), Compression Molding, Closed Mold Injection, and many other closed molding applications.

II. BINDER SYSTEM

Superior's 176A non-soluble polyester binder.

III. VISUAL APPEARANCE

This product is a white in color, highly consistent continuous filament glass fiber mat, supplied in rolls with trimmed edges. Each roll is significantly free of tears, holes, dirt, grease, foreign materials and non-uniform glass clumps or strands.

IV. SPECIFICATIONS

A. IMPERIAL

Weight per Sq. Ft. Production Range	Roll Width Production Range	Roll Length Production Range	Roll Diameter Production Range	Nominal Binder Production Range
0.50 oz. to 2.00oz	15" to 96"	200' to 450' Based on Ounce Weight	18" to 22" Based on Ounce Weight	5% Based on Process Requirements
TOL (+/- 15%)	TOL (+/- .125")	TOL (+/- 50')	TOL (+/- 2")	TOL (+/-2%)

B. METRIC

Weight per Sq. M. Production Range	Roll Width Production Range	Roll Length Production Range	Roll Diameter Production Range	Nominal Binder Production Range
154g to 614g	381mm to 2032mm	61m to 137m Based on Gram Weight	457mm to 559mm Based on Gram Weight	5% Based on Process Requirements
TOL (+/- 10%)	TOL (+/- 3.2mm)	TOL (+/- 15.2m)	TOL (+/- 50mm)	TOL (+/-2%)

\*Weight per sq ft is the calculated average for each roll.

\*\* Widths of 2" – 14" available upon request with additional slitting charge.

\*\*\*Binder percentage of total condensed mat before oven cure.

C. PACKAGING

All mats are wound onto (4") I.D. (10.2cm) heavy duty cardboard cores. Each roll is individually contained within a polyethylene sleeve, placed on a 44" x 45" x 3.5" (11.00cm x 11.25cm x 8.89cm) wooden pallet and stretch wrapped for protection during shipment. Typically there are four to six (4-6) rolls per skid. Material 36-inch (91.4cm) wide or less may be double stacked on a skid.

Optional packaging methods are available. Additional charges may apply.

- A. Three (3) inch I.D. (7.62cm) heavy duty cardboard core.
- B. Cardboard box and skid.
- C. Vacuum packaging for 10% space reduction.
- D. Cardboard box, vinyl band with stretch wrap on skid.
- E. Other methods available upon request.

Each roll is individually marked with product designation, roll number, roll width, roll length and roll weight.

D. STORAGE

For best performance results, it is recommended that SHC products are stored at temperatures between 10° C and 35° C at relative humidity below 85%. SHC Products should remain in the original packaging materials until just prior to use.

E. WARRANTY

See Superior's Terms and Conditions documentation.