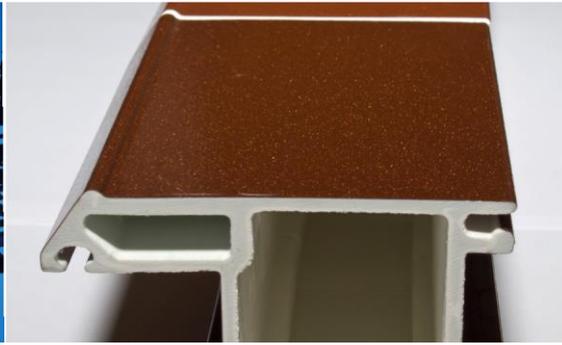


# MATVANTAGE® II

## Continuous Strand Mat



### Product Description

**MATVANTAGE II** continuous strand mat from NEG contains no soluble, cured binders that make other mats stiff, inconsistent or off-white in color. **MATVANTAGE II** continuous strand mat is particularly well suited for pultrusion applications and is compatible with general purpose and corrosion-resistant polyester resins, as well as vinyl ester and epoxy resin systems.

### User Benefits

- Superior weight uniformity for consistent reinforcement and processing performance.
- High dry tensile strength reduces tearing when using narrow widths.
- Softness makes the mat conformable for complex shapes.
- Consistent white color in all densities.
- No loose fibers -- stitch bonding technology locks strands in place.
- Compatible with slitting into required widths, splicing and creeling techniques.
- Supported by NEG's extensive technical resources.
- Manufacturing facilities operate quality management systems that comply with ISO 9001:2015 requirements.

### Packaging

- 5 rolls/pallet
- 91 kg (200 lbs.)/package - MATV300  
93 kg (205 lbs.)/package - MATV450  
105 kg (230 lbs.)/package - MATV600
- Roll diameter: 48 cm (19 in.)
- Pallet areas:  
(Shipments within North America)  
132 cm X 120.65 cm X 152 cm  
(54 in. X 47.5 in. x 60 in.)  
114 cm X 114 cm x 152 cm  
(45 in. X 45 in. x 60 in.)
- Pallet area (Export shipments):  
114 cm X 114 cm x 152 cm  
(45 in. X 45 in. x 60 in.)

# MATVANTAGE® II Continuous Strand Mat

## Product Information

Type of Fiber	E-Glass (ASTM D578-05, Section 4.2.2)		
Type of Sizing	Silane		
Roll Length, nominal (m)	213.4	142.3	122.0
Mat Density (g/m <sup>2</sup> )	300	450	600
Roll Length, nominal (yd)	233	156	133
Mat Density (oz/ft <sup>2</sup> )	1.0	1.5	2.0

## Storage

These products should be stored in a dry area with ambient temperature and relative humidity, optimally from 20°C to 25°C and between 50% and 70%, respectively. Protect product from all sources of water at all times. A First-In-First-Out (FIFO) stock control system is recommended to minimize the influence of storage conditions. Prior to use, products should be conditioned in the work area for a minimum of 24 hours. If contents of a package unit are partially used, the unit should be closed until the next use. With proper storage, there are no known limitations on the shelf life of the product. To insure optimal performance, retesting is recommended for products stored more than two years from the initial production date.

## Caution

To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two (2) high as noted on individual shipping containers.

**NOTE:** This data is offered for informational purposes only in the selection of a composite reinforcement. The information contained in this bulletin is based on actual laboratory data. We believe that this information is reliable, but do not guarantee its applicability to the process of the user or assume any liability arising out of its use or performance. The user, by accepting the products described, agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial laminates when using this or any other reinforcement. **Because of numerous factors affecting the results, we make no warranty of any kind, expressed or implied, including those of merchantability and fitness for a particular purpose. Statements in this document shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code, or insurance regulation.**

## More Information

<http://www.neg.co.jp/inquiry/>

<http://www.neg.co.jp/en/inquiry/>

## Mechanical Properties

Typical Tensile Strength (lbs) = 47  
Mat Density (g/m<sup>2</sup>) = 300  
Mat Density (oz/ft<sup>2</sup>) = 1.0

Typical Tensile Strength (lbs) = 75  
Mat Density (g/m<sup>2</sup>) = 450  
Mat Density (oz/ft<sup>2</sup>) = 1.5

Typical Tensile Strength (lbs) = 123  
Mat Density (g/m<sup>2</sup>) = 600  
Mat Density (oz/ft<sup>2</sup>) = 2.0

**NEG** Nippon Electric Glass Co., Ltd.