



TRUMAT

For Pultrusion and Filament Winding

Product Description

Trumat is a non-woven, semi-continuous strand glass fiber mat designed for pultrusion and filament winding. Ideal for use in thin wall profiles or for resin rich surface finishes.

Binder Selection

Series 600 binder is non-soluble in styrene and formulated for high tensile strength applications. See Binder Selection Data Sheet.

Appearance

Trumat is supplied as roll goods, white in color, with highly uniform fiber distribution and neatly trimmed edges.

Each roll is substantially free of tears, holes, glass beads and tails or other foreign contaminants.

Product Widths

Rolls supplied to customer specifications, up to 120 inches (3.1m).

Minimum quantities or slitting charges may apply.

Features

- Customer specified binder percent up to 15%
- High binder cure for added strength
- Boron free glass fibers
- Outstanding surface finish results

- Ideal for lightweight, thin wall reinforcement
- Excellent resin wet-out
- Good electrical resistance properties
- Roll widths up to 120 inches
- Longer length rolls, thus reducing the number of rolls required to be put up while completing a project. The end result is improved manufacturing efficiency
- Corrosion resistant under acidic conditions. See Corrosion Data Sheet
- Contamination free
- Fibers are transparent to the finished part
- Excellent punch-ability properties
- Easily sanded for post-finishing

Options

Trumat offers many configuration options which helps to ensure a perfect match with your composites process.

Some customer specified options include:

- Weight per square foot/square meter
- Roll width
- Binder percentage
- Fiber orientation
- Fiber diameter
- Custom cut pieces
- Custom packaging
- Other options – Consult factory

Trumat Specifications

Other custom weights may be possible, consult factory for price and availability.

Trumat Classification	Thickness In. (mm)	Grams / Sq. M.	Grams / Sq. Ft.	Ounces / Sq. Ft.	Roll Length Ft. +/- 10%	Roll Length Meters	Roll Dia. Nominal
1/4 Ounce	.021 (0.54)	75	7.1	0.25	1,450	440	25" - 28"
1/2 Ounce	.043 (1.08)	155	14.2	0.50	865	260	25" - 28"
5/8 Ounce	.053 (1.36)	190	17.7	0.62	660	200	20" - 25"
3/4 Ounce	.064 (1.63)	230	21.3	0.75	450	140	22" - 27"

Note: Rolls 80 inches or wider may be cut to half-length to maintain reasonable roll weight.

Packaging

All veils are wound onto a heavy duty 3 inch I.D. cardboard core, immediately sealed against contamination in a polyethylene bag and identified with a unique, product specific label.

Based upon quantities, Trumat is shipped on wooden pallets, typically 9 rolls per pallet. Optional packaging is available.

All material is supplied in roll goods form with trimmed edges.

Quality

All Trumat products are manufactured in the United States and meet the demanding quality requirements within the composites industry.

Storage

For best results, Trumat should be stored indoors, with temperatures between 50° F (10° C) and 90° F (32° C) and relative humidity below 80%. It should remain upright, on a pallet and in the original packaging until ready to use.

Warranty

See Schmelzer Industries' Standard Terms and Conditions.

About Schmelzer Industries

Schmelzer Industries Inc., headquartered in Somerset, Ohio, is a glass fiber manufacturer, custom materials developer and supplier of quality veils and light weight reinforcements for the composites industry. We can be found on the internet at www.siveils.com

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