



# ME1510 HIGHER PERFORMANCE FOR TRANSPORTATION AND BEYOND

ME1510 represents a compelling solution for structural applications requiring high mechanical properties. This multi-end roving product increases physical properties – enabling vehicle light weighting, increased fuel efficiency and lower CO2 emissions.

- Compatible with epoxy and phenolic resins.
- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.

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## Product Benefits

### Excellent Processing

- Due to excellent wet-ability in epoxy and phenolic matrices, very high glass content is achievable, enabling excellent processing while compounding.

### Outstanding Mechanical Properties

- Superior strength and flexural modulus enable light weighting in vehicles to increase fuel efficiency, lower CO2 emissions and increase range in electric vehicles.

### Enhanced Service Life

- Advantex® glass helps fight corrosion, enhancing service life compared to standard E-glass.

### Fire Resistant

- Compatible with phenolic resins used in fire resistance applications such as electric vehicles.

### No Odor

- Epoxy resin system meets low odor requirements in vehicles.

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## Applications

ME1510 is designed to provide optimal performance in Sheet Molding Compound (SMC) applications including: automotive structural parts, electric vehicles, and critical industrial applications that require higher mechanical properties such as oil and gas exploration.

Availability

PRODUCT	DOFF CHARACTERISTICS			
	DIAMETER (mm)		HEIGHT (mm)	NOMINAL WEIGHT (kg)
	Internal	External		
ME1510 2400 and 4800 TEX	76	285 to 290	254	20.5

Technical Characteristics  
(Nominal Values)

LINEAR WEIGHT OF ROVING	LOSS ON IGNITION (%) ISO 1887: 1995	MOISTURE CONTENT (%) ISO 3344: 1997
2400 and 4800 TEX 207 and 103 Yield	0.7	≤ 0.18

Packaging & Labeling

Each bobbin is protected by a plastic film (Tack-pak®). Please do not remove film during use. Creel pack packaging is available upon request.

Each bobbin has a self-adhesive identification label, showing the product reference and the production date. Each pallet has at least one identification label detailing the product reference, pallet net and gross weights, production date and pallet production code.

The packaging system is designed to allow short term stacking of two pallets. When stacking two high, care should be taken to correctly and smoothly place the top pallet. It is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Ideal conditions are at a temperature between 10°C and 35°C and a relative humidity between 35% and 85%. The glass fiber products must remain in their original packaging material until the point of usage. If the storage temperature is below 15°C, it is recommended that the product be stored in the workshop, within its original packaging, at least 24 hours prior to use to prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, the product can be used up to 2 years from the date of manufacture, and retesting is advised after 1 year from the initial production date to insure optimum performance.



Americas

**Owens Corning Composite Materials, LLC.**  
One Owens Corning Parkway  
Toledo, Ohio, USA 43659  
1-800-GET-PINK®

Europe

**European Owens Corning Fiberglas Sprl.**  
166 Chaussée de la Hulpe  
B-1170 Brussels  
Belgium  
+32 3 674 8211

Asia Pacific

**Owens Corning Shanghai Regional Headquarters**  
40/F, Pudong Kerry Parkside,  
115 Fang Dian Road, Pudong,  
Shanghai, 201204, China  
+86-21-6101 9666

<https://www.owenscorning.com/composites> | [Composites@owenscorning.com](mailto:Composites@owenscorning.com)

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Pub number: 10018975. ME1510\_MER\_product data sheet\_ww\_09-2018\_Rev2. October 2018. English.

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