



SE4849

FASTER LINE SPEEDS AND HIGHER GLASS LOADINGS

SE4849 single-end Type 30™ roving represents a compelling solution for Compounders seeking improved productivity through increased line speed, and the potential for higher glass loadings made possible with excellent dispersion.

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Compatible with Polyolefins: PP, PE and HDPE resin systems.

Product Benefits

Improved Manufacturing Economics

- Greater than 50% reduction in fuzz generation relative to competitive reinforcements for easier processing and less downtime for clean-up.

Superior Composite Strength

- Increased splice tensile strength improves package to package transfer efficiency.
- Increased lubricity imparts lower strand tension enabling up to a 40% increase in compounding line speed for reduced manufacturing costs.

Superior Glass Dispersion and Increased Part Strength

- Outstanding compatibility with Polyolefins, enabling better wet-out, uniform glass dispersion and potentially higher glass loading.
- Optimized adhesion to the polymer matrix offering excellent mechanical properties to meet stringent end-use requirements.

Enhanced Service Life

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

Applications

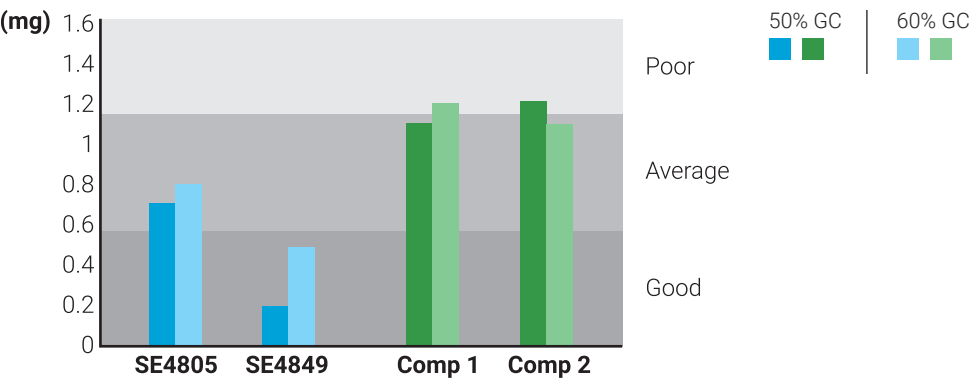
SE4849 product is designed for use in LFT-G (pellets) Polyolefin (primarily PP) hot-melt compounding processes for the manufacturing of structural and semi-structural automotive applications including front-end modules, seat carriers and door modules, as well as a variety of consumer goods, appliances and power tools. SE4849 is also optimized for used in CFRT (Continuous Fiber Reinforced Plastic) tapes for structural applications where the performance characteristics of a continuous unidirectional glass reinforcement can significantly improve end-use performance.

Availability (Standard Reference) & Technical Characteristics (Nominal Values)

| TEX | YIELD | FILAMENT DIAMETER (μ) | LOSS ON IGNITION (%) | MOISTURE (% MAX) | MANUFACTURING REGION |
|------|-------|--------------------------|-------------------------|---------------------|----------------------------------|
| 1100 | 450 | 16 | 0.55% | 0.05% | N. America |
| 2200 | 225 | 16 | 0.60% | 0.05% | N. America |
| 2400 | 207 | 17 | 0.40% | 0.05% | N. America; Europe; Asia Pacific |
| 4400 | 113 | 23 | 0.40% | 0.05% | Asia Pacific |
| 4800 | 103 | 24 | 0.40% | 0.05% | Asia Pacific |
| 4800 | 103 | 17 | 0.40% | 0.05% | Asia Pacific |

Mechanical Properties & Performance Testing

Fuzz Generation 50% - 83% better than competitors



Owens Corning internal Testing - Ibaraki Q4 2013.

Packaging & Palletization (Standard Reference)

PALLET DIMENSIONS

| PACKAGING | PALLET HEIGHT (CM) | PALLET LENGTH (CM) | PALLET WIDTH (CM) | PALLET WEIGHT (NET, KG) | PACKAGES PER PALLET | NUMBER OF LAYERS |
|--------------|--------------------|--------------------|-------------------|-------------------------|---------------------|------------------|
| No Tube | ~125 | 115 | 115 | ~1200 | 64 | 4 |
| No Tube | ~97 | 115 | 115 | ~900 | 48 | 3 |
| Thicker Tube | ~200 | 115 | 115 | ~900 | 48 | 3 |

Package size will vary by region.

Labeling

Each individual package is labeled with information including: product name, tex/yield, producing plant and production date.

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The glass fiber products must remain in their original packaging material until the point of usage. The product should be stored in the workshop in its original packaging for 48 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during the cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water.

When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to insure optimum performance.



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