

SE4850

SINGLE-END ROVING

Redefining performance
in D-LFT PP

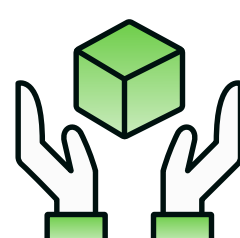


Type 30® SE4850 single-end roving represents a compelling solution for polypropylene in direct long fiber thermoplastics (D-LFT) applications where improved performance and manufacturing economics are required.

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

SPECIFICALLY FOR USE IN DIRECT LONG FIBER THERMOPLASTIC (D-LFT) PROCESSES

Product Benefits

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 - Improved resistance to fuzz generation for easier processing and improved housekeeping
 - Reduced strand stiffness for easier splaying
 - Increased lubricity for lower strand tension
 - Improved splice tensile strength for enhanced package-to-package transfer and improved line efficiencies
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 - Outstanding compatibility with PP for better wet-out and dispersion
 - Optimized adhesion to PP to meet or exceed all mechanical performance needs

Data Sources: Mech. prop.: 30% Glass Content; compression molding, Fraunhofer Institute Molding
OCF Internal Testing—Granville, Q4 2014
Fuzz: vs. other DLFT reinforcements, OCF internal tests—Ibaraki
Glass dispersion: vs. Competitor product, OCF Granville and Ibaraki Testing
Splice strength: vs. OCF historic standard, OCF internal tests—Ibaraki

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Application

SE4850 product is designed for use in polypropylene direct LFT (D-LFT) processes where the glass strand is fed directly into the compounding extruder. It is used for the manufacturing of structural and semi-structural complex automotive applications such as front-end modules, seat carriers, and door modules while also being used in a variety of non-automotive applications for consumer goods, building materials, and recreational vehicles.

Availability & Technical Characteristics

TEX	YIELD	FILAMENT DIAMETER (µm)	LOSS ON IGNITION (%)	MOISTURE (% MAX)	MANUFACTURING REGION
2400	207	17	0.40%	0.05%	Europe
4800	103	24	0.40%	0.05%	Europe

Packaging

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

Rovings are available in a single-end internal-pull package. Each pallet weighs about 1 ton and can be packaged in bulk or Creel-Pak® packaging format. Pallets are stretch wrapped for load stability and for protection during transport. Full doffs are available in weights between 15 kg (33 lb) and 20 kg (44 lb) and can be packaged in bulk or Creel-Pak® format. All individual packages are wrapped with Tack-Pak® packaging to aid package run-out and transfer. Packaging may vary by region. More information is available in the Customer Acceptance Standards.

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 that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after three years from the date of manufacture to help ensure optimum performance.

MAKE
MORE
POSSIBLE™

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