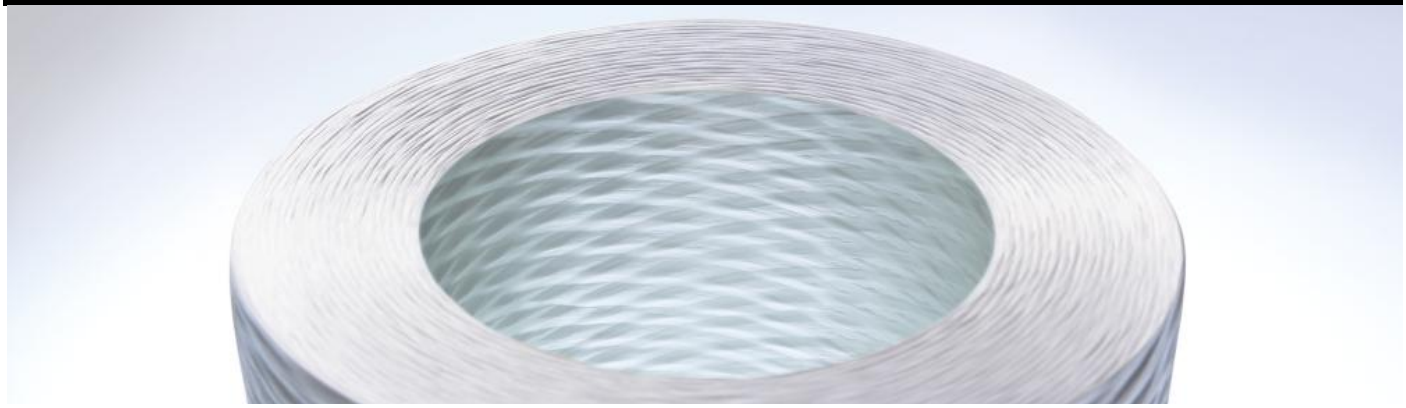
PRODUCT INFORMATION

SE 4121 SINGLE-END ROVING

FOR POLYPROPYLENE LONG-FIBER THERMOPLASTICS

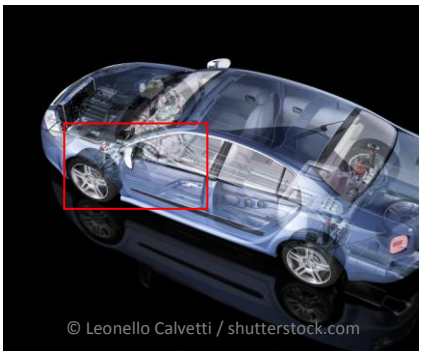


DESCRIPTION

SE 4121 Single-End Rovings is specifically designed for use in Polypropylene LFT technologies. SE 4121 is designed to provide excellent runout, wetout, dispersion, and processing, in order to maximize production and minimize manufacturing costs.
SE 4121 is manufactured using the Type 30® Roving state-of-the-art technology of Owens Corning Composite Material, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001.

BENEFITS

- Excellent processing: no catenary, low fuzz properties that equate to low cleanup & high machine efficiencies
- Multi-process compatible: suitable for all D-LFT processes as well as pellets manufacturing, choppable to desired length
- Excellent impregnation & dispersion: D-LFT processes show high quality dispersion within the final part, enhance pelletization quality
- Mechanical properties: unique chemistry allow for enhanced mechanical properties
- Global manufacturing locations and availability: available globally, manufactured and available globally to help ensure supply
- Available in 2200, 2400 Tex



APPLICATIONS

SE 4121 is an advanced member of the Single-End Continuous Rovings (Type 30®) family. SE 4121 Type 30® Roving is specially designed for use in polypropylene long-fiber thermoplastic (LFT) applications. SE 4121 has a unique chemistry that is designed to be suitable with Direct-LFT processes as well as with pellets manufacturing.

Also suitable for processes using long chopped fibers.

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AVAILABILITY – not all Tex available in all regions

Yield (g/km)	**Tex** (yards/pound)
207 225	2400 2200

TECHNICAL CHARACTERISTICS (Single-End Roving)

The following data was generated using production material SE 4121 – 2400 Tex (207 Yield).

Pellet (12 mm)	**Tensile Strength** (MPa)	**Flexural Strength** (MPa)	**Flexural Modulus** (MPa)
PP resin + Glass content 50%	189	282	11.447

PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighs approximately 0.8 Metric Ton. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak® or shrinkable film for protection during transport. Full doffs are available in weights between 15 kg (33 lb) and 21 kg (46 lb), and they can be packaged in bulk or Creel-Pak® format. More information is available in the Customer Acceptance Standards.

STORAGE

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, within its original packaging, 48 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during 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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