

Product Description

TufRov™ 4510 roving from NEG is a tailor-made reinforcement for long fiber polyamide (PA) processes such as granulate long fiber thermoplastic (GLFT) and direct long fiber thermoplastic (DLFT). TufRov™ 4510 rovings offer hydrolytic stability in high performance applications. Each package is in a wrap film with each pallet stretch wrapped to protect the fiber glass roving from dirt and moisture.

User Benefits

- Excellent spreadability of the roving filaments in thermoplastic pultrusion allowing complete resin impregnation.
- Sizing on the fiber surface has been tailored to provide optimal balance of dry strength, fiber:resin wetting and minimal sizing rub-off on process contact points.
- Available in outside and inside payout.
- Excellent processing in pultruded GLFT processes for molding of high-performance long glass PA end products.
- Excellent wet out and saturation in polyamide (PA) resin.
- Highest mechanical as-molded properties with best-in-class long-term hydrolytic stability
- Excellent package transfer efficiency through the use of an outer adhesive film.
- Supported by NEG’s extensive technical resources.
- Manufacturing facilities operate quality management systems that comply with ISO 9001:2015 requirements.

Packaging

- 48 packages/pallet
- 20 kg (44 lbs.) /package

Type of Fiber	E-Glass (ASTM D 578-05, Section 4.2.2)			
Type of Sizing	Silane			
Roving Tex, nominal (g/km)	1200	1460	2200	2400
Roving Yield, nominal (yd/lb)	413	340	225	206
Average Fiber Diameter (µm)	12 or 17	14	16	17
Other Tex/Yield options are available upon request. Contact your NEG Account Manager.				

Storage

These products should be stored in a cool and dry area. Protect product from all sources of water at all times. A First-in-First-Out (FIFO) stock control system is recommended to minimize the influence of storage conditions. Prior to use, products should be conditioned in the work area for a minimum of 24 hours. If contents of a package unit are partially used, the unit should be closed until the next use. With proper storage, there are no known limitations on the shelf life of the product. To ensure optimal performance, retesting for mechanical properties and feeding behavior is recommended for products stored more than two years from the original production date. To avoid the possibility of potential injury, maintain column stability by limiting pallet stacking to two (2) high as noted on individual shipping containers.

More Information

<http://www.neg.co.jp/inquiry/>

<http://www.neg.co.jp/en/inquiry/>

NEG reserves the right to modify this document without prior notice.

NOTE: This data is offered for informational purposes only in the selection of a composite reinforcement.

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