TufRov™ 4520

Nippon Electric Glass Co., Ltd.

Product Description

TufRov™ 4520 roving from NEG is a specifically designed reinforcement for long fiber polypropylene (PP) processes such as granulated long fiber thermoplastic (GLFT), continuous fiber reinforced tapes and direct long fiber thermoplastic (DLFT). TufRov 4520™ rovings are formulated to provide exceptional processing characteristics while still delivering reinforcements with outstanding physical properties. TufRov 4520™ rovings are available in standard bulk pack and stack pack configurations are available upon request.

User Benefits

- Provides exceptional resistance to fuzz generation under high stress / tension conditions as well as high temperature / high humidity environments.
- Superior impact and tensile strength properties.
- Outstanding processing in all long fiber thermoplastic (LFT) processes for molding PP products.
- Excellent spread ability of the roving filaments in thermoplastic pultrusion and LFT processes.
- 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.
- Excellent wet out with various types of PP resin systems.
- Excellent package transfer efficiency through the use of an outer adhesive film.
- 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)	**300**	**600**	**735**	**1100**	**1200**	**2200**	**2400**
Roving Yield, nominal (yd/lb)	**1650**	**827**	**675**	**450**	**413**	**225**	**206**
Average Fiber Diameter (µm)	**14**	**15**	**17**	**16**	**17**	**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/

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