



SE4805 DESIGNED FOR DEPENDABLE PROCESSING WITH PP LFT

Single end roving designed for polypropylene long-fiber thermoplastics applications.

SE4805 single-end Type30™ roving is specifically designed as a compelling solution for Compounders seeking increased productivity through improved processing and handling characteristics, and excellent compatibility in Polypropylene LFT applications in manufacturing facilities certified to ISO 9001.

- 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

- Dependable internal and external unwinding process for less downtime.
- Reduction in fuzz generation relative to competitive reinforcements for easier processing and less downtime for clean-up.

Multi-process Compatible

- Suitable for LFT-G, D-LFT and CFRT processes, pellet manufacturing and choppable to desired length.

Mechanical Performance

- Optimal adhesion to the Polyolefin resin matrix provides excellent dry-as-molded mechanical properties.

Excellent Impregnation & Dispersion

- All processes show excellent dispersion within the final parts.

Enhanced Service Life

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

Application

SE4805 is an advanced member of the Type 30™ roving family and specially designed for polypropylene long-fiber thermoplastic applications with LFT-G (pultrusion), D-LFT and CFRT (Continuous Fiber Reinforced Thermoplastics). 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. SE4805 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
2400		17	0.35%	0.05%	Asia Pacific
1200		17	0.35%	0.05%	Asia Pacific
900		15	0.35%	0.05%	Asia Pacific

Packaging and 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	~100	115	115	~900	48	3

PACKAGE DIMENSIONS

PACKAGE HEIGHT (CM)	PACKAGE OUTSIDE DIAMETER (CM)	PACKAGE INSIDE DIAMETER (CM)		PACKAGE WEIGHT (KG, WEIGHT% IN PALLET)		
<28.0	<30.0	>16.2 (No tube)	~16.2 (Thick tube)	16~20 (70%)	10~16 (25%)	5~10 (5%)

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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