

Product Introduction

Boron-free glass Multi-end rovings are designed for use in pultrusion applications in polyester, vinyl ester, and epoxy resin systems. Typical products include pultrusion profiles such as window frames and gratings, high-voltage insulating rods, tanks and pipes, etc.

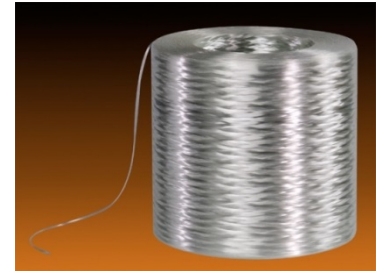
Product Description

All Boron-free multi-end rovings are manufactured to meet ISO 9001 standards. The rovings are multi-ended rovings which are produced from a collection of continuous glass filaments gathered, without mechanical twisting, into a single bundle. The filaments, which make up the bundles, are bonded together with a special size. Multiple bundles are then pulled together to form a strand. The strand is wound into a tubeless package that is ready for use in customer applications.

Packaging

Pallet dimensions

Pallet height, cm (in) 94 (37)
 Pallet length, cm (in) 112 (44)
 Pallet width, cm (in) 112 (44)
 Number of layers: 3 or 4
 48-roll pallet weight, kg (lb)
 1032 (2275)
 64-roll pallet weight, kg (lb) 1376 (3034)



Doff dimensions

Doff height, cm (in) 26 (10)
 Doff weight, kg (lb) 21.5 (47.4)
 Doff diameter, cm (in) 26 (10)
 Doffs/layer 16
 Doffs/pallet 48 & 64

Doffs are wrapped in plastic bags, then packed in individual cardboard boxes or bulk packed.

Features	Customer Benefits
Excellent processing	The category of Boron-free multi-end Rovings is kept to a minimum, which means smooth runout through the package. In addition, the product has low fuzz properties that will result in smoother parts, less cleanup, improved production efficiencies and reduced costs.
Fast wetting properties	Boron-free multi-end Rovings allow fast, uniform wet out of the strand in polyester, vinyl ester, and epoxy resin systems. Fast wet out should allow you to optimize part fabrication time, increasing productivity and improving your competitive position in the market.
Multi-compatible size	Boron-free multi-end Rovings silane based sizing is designed to have excellent adhesion with polyester, vinyl ester and epoxy resin systems. Multi-compatibility allows a change in resin system without the need for the time consuming effort of changing the glass in creel.
Application flexibility	Boron-free multi-end Rovings are available in a variety of TEX values with “inside pull” or “outside pull”. The products allow you to meet various demands of parts used in different applications, increasing your competitive ability in the market.

Product Data

ID Number	Filament Diameter (Microns)	Linear Density (TEX, yds/lb)	Compatible Resin	% Organic Solid (LOI)	% Moisture Content	Breaking Strength (N/TEX)	Applicable Process
A2-480-AB	16 / 24	4800/103	UP, VE, EP	0.55 ± 0.15	≤ 0.10	≥ 0.30	Pultrusion
A2-960-AB	16 / 24	9600/52	UP, VE, EP	0.55 ± 0.15	≤ 0.10	≥ 0.30	Pultrusion
A2-1920-AB	24	19200/26	UP, VE, EP	0.55 ± 0.15	≤ 0.10	≥ 0.30	Pultrusion

Special products are available according to customers' requirements.

Disclaimer of Liability

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