



# Single-End Rovings (Type 30®)

*OCV™ REINFORCEMENTS IS THE PIONEER in both Multi and Single-End roving and has been making glass fiber roving products for more than 50 years. OCV™ Reinforcements developed the Single-End Roving process and trademarked Type 30® over 30 years ago. OCV™ Reinforcements manufactures Single-End Rovings globally with advanced equipment, innovative surface chemistry and a commitment to process control.*

*The result is a ready supply of products to meet the most exacting performance and cost requirements. Ongoing development work continues to refine the performance of Single-End Rovings with one customer benefit in mind, increased productivity.*

### PRODUCT FAMILY DESCRIPTION

Single-End Rovings are reinforcement products for filament winding, long-fiber thermoplastics, pultrusion, knitting and weaving applications with polyester (UP), vinyl ester (VE), epoxy (EP), phenolic (PN), polypropylene (PP), polyamide (PA) resin systems. Single-End Rovings are produced by pulling individual fibers directly from the bushing and winding them onto a roving package ready for shipment. The uniform distribution of a proprietary sizing system ensures an excellent resin-to-glass binding through uniform distribution of the binding agent.

### GLOBAL QUALITY

OCV™ Reinforcements continues to meet ongoing customer demands for higher productivity, higher value products and excellent support.

Single-End Rovings are produced with a global process, which ensures high quality and consistency in all regions of the world while meeting performance and cost requirements. Our worldwide technical and marketing network provides our customers with products and services that continue to meet evolving needs.

### ADVANTEX® AND SINGLE-END ROVINGS

In recent years, OCV™ Reinforcements began making Single-End Rovings with the company's Advantex® glass fiber reinforcements.

Advantex® glass fiber reinforcements combine the electrical and mechanical properties of traditional E glass with the acid corrosion resistance of E-CR glass. Advantex® glass fiber reinforcements are compatible with all of the most widely used resin systems. Processability and production characteristics of Advantex® glass fiber reinforcements are comparable to traditional E-Glass and E-CR Glass formulations.

### FEATURES

### PRODUCT BENEFITS

Superior processing	. Optimized to maximize equipment uptime
Fast wet-out	. Increased productivity
Optimum package and pallet weight	. Better productivity, less storage space, fewer pallet changes
Excellent laminate mechanical properties	. Meets or exceeds physical properties requirements for a broad range of applications
Excellent packaging run out and transfer	. More complete glass utilization and reduced labor costs





## GLOBAL RANGE FOR THERMOSET RESINS

PRODUCT	REGION				RESIN COMPATIBILITY				PROCESS			
	NA	LA	EMEA	AP	UP	VE	EP	PN	Fil. Winding	Pultrusion	Weaving	Muffler Filling
111A		●	●	●	●	●	●			●	●	
SE1200	●	●	●	●	●	●	●	●	●	●	●	
SE1500	●	●	●	●			●		●	●	●	
366	●			●	●	●	●		●	●		
399	●		●	●	●	●	●			●		
699		●		●				●		●		
SE8400LS	●		●		●	●	●			●		
R25H		●	●	●	●	●	●		●	●		
158B	●	●		●			●	●	●			
SE2348	●			●			●		●			
SE2350	●			●			●		●			
FW300				●	●				●			
FW35				●					●			
117A			●						●		●	
202			●						●			
ST2070			●	●								●
ST1048			●	●								●
ST2000	●											●

NA : North America. LA : Latin America. EMEA : Europe Middle East Africa. AP : Asia Pacific

## PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighed about 1 tonne. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak<sup>®</sup> or shrinkable film for protection during transport. Full doffs are available in weights of 20 kg (45 lb.) and 40 kg (88 lb.) regionally and they can be packaged in bulk or Creel-Pak<sup>®</sup> format.

## STORAGE

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The packaging is not waterproof. Be sure to protect the product from

the weather and other sources of water. The glass fiber products must remain in their original packaging material until the point of usage. If these conditions are maintained, the glass fiber product should not undergo significant changes when stored for one year. Beyond one year after delivery, the product might evolve, specifically if stored outside the recommended conditions.

The best storage conditions are :

- Temperatures between 22°C and 23°C
- Humidity between 60% and 65%.

The product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization.



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Single-EndRovings\_Range\_VVW\_06-2008\_Rev1



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