



# 973

## Multi-End Roving for Input and Chopping

### PRODUCT DESCRIPTION

The 973 Multi-End Roving is manufactured from a collection of continuous glass filaments, gathered, without mechanical twist, into multiple bundles. The filaments that make up the bundles are bonded together with a high performance polyester/vinylester compatible silane based sizing.

The 973 sizing is compatible with polyester/vinylester resin systems as well as some polyurethane resins.

973 Roving is produced using Advantex® glass fiber. Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glasses with the corrosion resistance of E-CR glass.



### PRODUCT APPLICATION

Fiberglas® 973 Multi-End Roving is designed for use in the manufacture of sheet molding compounds for use in door skins, interior and exterior automotive parts and industrial parts.

### FEATURES AND PRODUCT BENEFITS

- |  |                                     |
|--|-------------------------------------|
| • Excellent laminate properties                | • Low static and fuzz               |
| • First rate flow characteristics              | • Excellent runnability             |
| • Excellent sheet density                      | • Excellent choppability            |
| • Excellent surface quality in low profile SMC | • Excellent wetting characteristics |
| • Quality and consistency                      | • Optimum package and pallet weight |

### TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

LINEAR WEIGHT (TEX)	LOSS ON IGNITION (%)	MOISTURE (%)
2200	1.85%	≤ 0.03
4500	1.85%	≤ 0.03

### VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

Roving Doffs are square-edged, cylindrical packages which are firmly and evenly wound and have a constant traverse length. The packages are designed to provide a smooth runout, and their geometry is controlled to maintain the desired run out performance. Unless otherwise specified, packages (Doffs) are connected using an 8-way air splice.

# 973

## Multi-End Roving for Input and Chopping

### PRODUCT AVAILABILITY

DOFFS		
External diameter (cm./in.)	Height (cm./in.)	Weight (kg./lb.)
28.7/11.3	26/10.3	19.4/42.8

### PACKAGING

- Air Spliced Tack-Pak® Wrap Vertical Creel-Pak®
- Creel-Pak® 12 End Run Out

DOFFS PER PALLET	DOFFS PER LAYER	NUMBER OF LAYERS	PALLET DIMENSIONS L X W X H (CM)	APPROXIMATE NET WEIGHT (KG/LB)
48	12	4	120x92x120	931/2055

### STORAGE

973 Multi-End Roving should be stored dry, in its original packaging. The best conditions are temperature between 15 and 35°C and at a relative humidity between 35 and 85%.

If the product is stored at low temperature (below 15°C) it is advisable to condition it in the workshop, for at least 24 hours before use, to prevent condensation.

Static stacking of the pallets is possible one plus one (1/1), but it is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

This product must be used within 12 months of delivery.

#### Contact

MultiEndRovings.ocvamericas@owenscorning.com

MultiEndRovings.ocvemea@owenscorning.com

MultiEndRovings.ocvap@owenscorning.com



## OCV™ Reinforcements

**OWENS CORNING  
COMPOSITE MATERIALS, LLC**  
ONE OWENS CORNING PARKWAY  
TOLEDO, OHIO 43659  
1.800.GET.PINK™  
www.owenscorning.com  
www.ocvreinforcements.com

**EUROPEAN OWENS CORNING  
FIBERGLAS, SPRL.**  
166, CHAUSSÉE DE LA HULPE  
B-1170 BRUSSELS  
BELGIUM  
+32.2.674.82.11

**OWENS CORNING - OCV ASIA PACIFIC  
SHANGHAI REGIONAL HEADQUARTERS**  
2F OLIVE LVO. MANSION  
620 HUA SHAN ROAD  
SHANGHAI 200040  
CHINA  
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.