

973 MULTI-END ROVING

FOR INPUT AND CHOPPING



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.
- The 973 Multi-End Roving is also compatible with the polyurethane resins used in the LFI process.
- 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.

BENEFITS

- Excellent laminate properties
- Low static and fuzz
- Very good flow characteristics
- Excellent runnability
- Good sheet density
- Excellent chop-ability
- Excellent surface quality in low profile SMC
- Excellent surface and wetting in LFI
- Very good wetting characteristics
- Quality and consistency
- Optimum package and pallet weight



APPLICATIONS

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.



973 MULTI-END ROVING

FOR INPUT AND CHOPPING

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

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.

Linear weight of roving (Tex)	Loss on Ignition (%)	Moisture (%)
2200	1.85	≤ 0.03
4500	1.85	≤ 0.03

PRODUCT AVAILABILITY

External diameter (cm/in)	Height (cm/in)	Weight (kg/lb)
28.7 / 11.3	26 / 10.3	19.4 / 42.8
35.3 / 13.9	26 / 10.3	31.4 / 69.2

PACKAGING

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

Doffs per pallet	Doffs per layer	Number of layers	Pallet dimensions L × W × H (cm)	Approx. net weight* (kg/lb)
48	12	4	120 × 92 × 120	931 / 2055
48	12	4	142 × 110 × 120	1507 / 3322

LABELING

Each roving doff has a label with the product name and material code plus production date, time and weight. The winding machine used to produce the doff is denoted by a second label with two-three digits. Each pallet had five labels identifying the Product name, description, material code, production date and time along with the gross and net weight of the pallet. One label on the outside of the stretch-wrap on each side plus one label affixed to the vertical cardboard tab holding the tie-in tails which is not lost when the protective stretch-wrap is removed prior to use.

STORAGE

973 Multi-End Roving should be stored dry, in its original packaging. Optimal 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 over 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.

Americas

Owens Corning
Composite Materials, LLC.
One Owens Corning Parkway
Toledo, Ohio 43659
1.800.get.pink™

Europe

European Owens Corning
Fiberglas Sprl.
166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+32 2 674 8211

Asia Pacific

Owens Corning Shanghai Regional
Headquarters
40/F, Pudong Kerry Parkside,
1155 Fang Dian Road, Pudong,
Shanghai, 201204, China
+86-21-6101 9666

This information and data contained herein is offered solely as a guide in the selection of reinforcement. Rating contained in this publication is based on actual laboratory data, field test experience and observation of overall market use. 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. Owens Corning reserves the right to modify this document without prior notice. © 2017 Owens Corning. All Rights Reserved.
Pub number: 10010491. MultiEndRov_973_product sheet_ww_09-2017_Rev2_EN. September 2017

MultiEndRovings@owenscorning.com
composites.owenscorning.com