

# 常州联拓复合材料有限公司

## CHANGZHOU UTEK COMPOSITE CO., LTD.

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### ASSEMBLED ROVIN FOR SPRAY-UP

176 Assembled Roving for Spray-up is coated with a silane-based sizing, compatible with unsaturated polyester and vinyl ester resins. 176 roving offers optimum wet-out speed, which is useful in produce production of large vertical surface, such as large swimming pool, recreational facility, storage tanks and automotive parts.

**Product Features**

- ⊙ Excellent choppability
- ⊙ Excellent hang-on(no sliding) to vertical surfaces
- ⊙ Fast and roll-out providing optimal air release
- ⊙ Excellent mechanical properties of composite parts.

**Identification :**

Example	ER13-2400-176
Glass Type	E
Assembled Roving	R
Filament Diameter(μm)	13
Linear Density(tex)	2400
Size Code	176



#### Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Stiffness (mm)
ISO 1889	ISO 3344	ISO 1887	ISO 3375
± 4	≤ 0.10	1.15 ± 0.15	145±20

#### Packaging

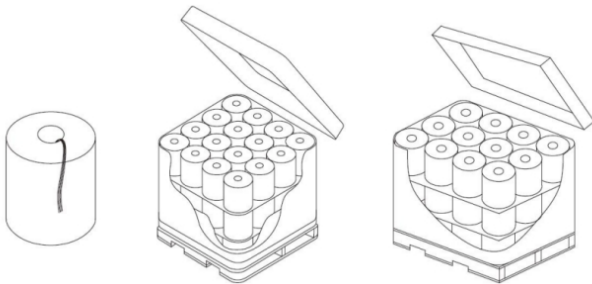
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The product can be packed on pallet or in small cardboard boxes.

Package height mm (in)	260 (10)	260 (10)
Package inside diameter mm (in)	100 (3.9)	100 (4)
Package outside diameter mm (in)	270 (10.6)	310 (12.2)
Package weight kg (lb)	17 (37.5)	23 (50.7)

#### Storage

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture-proof area. The fiberglass products should remain in their original package until prior to use. The room temperature and humidity should be always maintained at -10℃~35℃ and ≤80% respectively. To ensure safety and avoid damage to the product, the pallets should not be stacked more than three layers high. When the pallets are stacked in 2 or 3 layers, special care should be taken to correctly and smoothly move the top pallet.



Number of layers	3	4	3	4
Number of doffs per layer	16		12	
Number of doffs per pallet	48	64	36	48
Net weight per pallet kg (lb)	816 (1798.9)	1088 (2398.6)	828 (1825.4)	1104(2433.9)

Pallet length mm (in)	1120 (44)		1270 (50)	
Pallet width mm (in)	1120 (44)		960 (38)	
Pallet height mm (in)	940 (37)	1200 (47)	940 (37)	1200 (47)