

常州联拓复合材料有限公司

CHANGZHOU UTEK COMPOSITE CO., LTD.

FuhanYuan 1-812, New North District, Changzhou 213022, Jiangsu, China
 T: 86-519-85856360; www.utekcomposite.com; info@utekcomposite.com

ASSEMBLED ROVING FOR SMC

448 is a premium grade Structural SMC roving, coated with a silane-based sizing compatible with unsaturated polyester and vinyl ester resins. 448 Roving is designed specifically for Structural SMC production where glass loadings are 35-65% and mechanical properties are very important. To achieve this, 448 size has a very fast and high solubility in styrene and a low resin demand. This allows full wet-out of heavy density glass mat, however, because of its high solubility 448 may not be a good choice for Class-A SMC. Key applications include pick-up boxes, under body shields and engine covers.

Product Features

- ◎Excellent static control and choppability
- ◎Excellent choppability and fiber distribution
- ◎Very rapid wet-through and complete wet-out
- ◎Outstanding mechanical properties in finished composite parts

Identification:

Example	ER13-4400-448
Glass Type	E
Assembled Roving	R
Filament Diameter(μm)	13
Linear Density(tex)	4400
Size Code	448



Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Stiffness (mm)
ISO 1889	ISO 3344	ISO 1887	ISO 3375
± 4	≤ 0.10	1.90 ± 0.20	160±20

Packaging

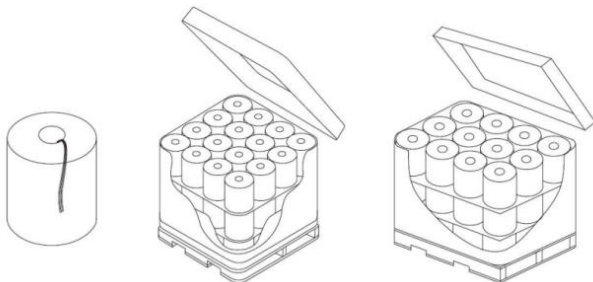
The product can be packed on pallet or in small cardboard boxes.

Package height mm (in)	260 (10.2)	260 (10.2)
Package inside diameter mm (in)	100 (3.9)	100 (3.9)
Package outside diameter mm (in)	270 (10.6)	335 (13.2)
Package weight kg (lb)	17 (37.5)	28.5 (62.8)

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°C~35°C 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
Number of doffs per layer	16		12
Number of doffs per pallet	48	64	36
Net weight per pallet kg (lb)	816 (1799)	1088 (2398.6)	1026 (2262)



Pallet length mm (in)	1120 (44.1)		1380 (54.3)
Pallet width mm (in)	1120 (44.1)		1050 (41.3)
Pallet height mm (in)	940 (37)	1200(47.2)	940 (37)