

302 is a kind of E-Glass Continuous Single Roving coated with a silane-based sizing, and compatible with polyester, vinyl ester resin and other resins. 302 delivers a multiple properties such as soft yarn, excellent ware resistance, low fuzz which make it suitable in hand weaving grating process. In addition, 302 is compatible with matrix resins including polyester, offering a fast and complete wet-out.

### Product Features

- ◎ Good ware resistance, low fuzz, good processing characteristics
- ◎ Soft yarn and low unwinding tension
- ◎ Compatible with a multiple of resin system, providing fast and complete wet out
- ◎ Excellent mechanical properties of the finished composite products

### Identification

Glass Type	E		
Type of Size	Silane		
Size Code	302		
Linear Density tex	1200	1500	2400
Filament Diameter $\mu\text{m}$	17	18	24



### Technical Parameters

Linear Density (%)	Moisture Content (%)	Size Content (%)	Breakage Strength (N/Tex)
ISO1889	ISO3344	ISO1887	ISO3341
$\pm 5$	$\leq 0.10$	$0.60 \pm 0.15$	$\geq 0.40$

### Mechanical Properties

Mechanical Properties	Unit	Value	Resin	Method
Tensile Strength	MPa	2536	UP	ASTM D2343
Tensile Modulus	MPa	79132	UP	ASTM D2343

The above data are actual experimental values for 6DR24-2400-302 and for reference only.

### Storage

Unless otherwise specified, the fiberglass products should be stored in a dry, cool and moisture-proof area. The room temperature and humidity should be always maintained at  $15^{\circ}\text{C} \sim 35^{\circ}\text{C}$  and  $35\% \sim 65\%$ . It is best if the product is used within 12 months after production date. The fiberglass products should remain in their original packaging until just prior to user.

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.

### Packaging

\* 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)	160 (6.3)	160 (6.3)
Package outside diameter mm (in)	275 (10.6)	310 (12.2)
Package weight kg (lb)	15.6 (34.4)	22 (48.5)

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)	750 (1653.4)	1000 (2204.6)	792 (1746)	1056 (2328)

Pallet length mm (in)	1120 (44)		1270 (50)	
Pallet width mm (in)	1120 (44)		960 (37.8)	
Pallet height mm (in)	940 (37)	1180 (46.5)	940 (37)	1180 (46.5)

