

**Product survey**

**E-glass rovings - assembled**

**Assembled roving**

Type	µm	Nominal fineness roving skein	Compatible with	working
				cutting
254	15	2400 - 4800	UP	***
563	11 – 13.5	2400	UP	***

**Quality characteristics:**

- ✓ Good cutting properties especially on wide shearing equipments
- ✓ Optimum dispersion of the roving skein in its single fibers
- ✓ High mechanical strength of the final product

Product information

**StarRov®**  
**E-glass roving 254 - assembled**



**Description:**

Roving 254 is wound to a roving bobbin (assembled) by consistent stress wound strands. The recommended field of application is the production of SMC mouldings (sheet moulding compound). The strong silane size guarantees a good cutting ability and dispersion in its single fibers. The size is optimal adjusted to the working with unsaturated polyester resins.

The product is made of e-glass, marked as aluminium-borosilicate glass according to DIN 1259-1 and ASTM D 578

**Quality characteristics:**

- ✓ Good cutting properties especially on wide shearing equipments
- ✓ Optimum dispersion of the roving skein in its single fibers
- ✓ High mechanical strength of the final product

**Technical characteristics (target values):**

	Unit	EC15 2400 254 (45)	EC15 2400 254 (90)	EC15 4800 254 (90)
Filament diameter	µm	15	15	15
Nominal fineness roving skein	tex	2400	2400	4800
Size base		silane	silane	silane
Linear density of the skein (tex)	tex	45	90	90
Bobbin weight	kg	20 +/-1	20 +/-1	20 +/-1

## Measurable parameters

	Method	EC15 2400 254 (45)	EC15 2400 254 (90)	EC15 4800 254 (90)
Glowing loss	ISO 1887	1.025	1.025	1.025
Moisture content	ISO 3344	0.15	0.15	0.15
Linear density (tex)	ISO 1889	2400	2400	4800
Rigidity (mm)	ISO 3375	130	130	130

## Packaging and labeling:

The assembled roving is produced in the shape of a cylindrical bobbin with inside unwinding. The bobbins are single packed in foil. The product is delivered in cartons on a pallet. The inner and outer ends are ordered resp. connected according to the packing standards.

<b>Bobbin height:</b>	255 mm
<b>Outside diameter</b>	280mm
<b>Bobbins per pallet:</b>	48 pieces resp. 64 pieces á ca. 20 kg
<b>Pallet:</b>	ca. 950 kg (size: 120 x 92 cm)

single end, on request also continuous linkage (spliced or textile knot).

Each packing unit is marked with the following information:  
Producer, product name, batch, gross- / net weight, product code, production date, packing code

## Transport and storage conditions:

The product is transported in closed and moisture protected vehicles  
The supply is effected with quality certificate.

These products should be stored in original packaging in dry, roofed and dust-free warehouses. The recommended temperature is between 10°C and 30°C at a relative air moisture between 50% and 75%.

Before working the products should be conditioned in original packing in the working area for at least 24 hours. The pallets may not be stacked if there are no other instructions on the packing.

Product information

**MultiStar™**  
**E-glass roving 563 - assembled**



**Description:**

Roving 563 is wound to a roving bobbin (assembled) by consistent stress wound strands. It is used as cut roving for the production of chopped strand mats (e.g. in combination with fabrics and cores) or the continuous production of transparent sheets. It corresponds to ISO 2797 and DIN 61855. The size is adjusted in an optimum way to the working with UP resins. The moulded parts produced with this roving are distinguished by high transparency and resistance against environmental influences.

**Quality characteristics:**

- ✓ Optimum dispersion of the roving skein in its single fibers
- ✓ Very high mechanical strength of the final product
- ✓ Resistance against atmospherical effects
- ✓ High transparency – recommended for the production of light sheets

**Technical characteristics (target values):**

	Unit	EC11 2400 (15) 563	EC12,5 2400 (25) 563	EC12,5 2400 (50) 563	EC13,5 2400 (35) 563	Test method
Filament diameter	µm	11	12.5	12.5	13.5	ISO 1888
Nominal fineness roving skein	tex	2400				ISO 1889
Size base		silane				

## Technical data:

	Unit	EC11 2400 (15) 563	EC12,5 2400 (25) 563	EC12,5 2400 (50) 563	EC13,5 2400 (35) 563	Test method
Solubility in acetone	%	90				
LOI – size content	%	0.50 – 0.80				ISO 1887
Moisture content max.	%	0.15				ISO 3344
Rigidity	mm	80				ISO 3375

## Product measurement

	Unit	EC11 2400 (15) 563	EC12,5 2400 (25) 563	EC12,5 2400 (50) 563	EC13,5 2400 (35) 563
Inside diameter	mm	77			
Outside diameter	mm	275			
Height	mm	260			
Average weight	kg	22.0 ± 1	22.5 ± 1		

## Packaging and labeling:

The assembled roving is produced in the shape of a cylindrical bobbing with inside unwinding. The bobbins are single packed in foil. The product is delivered on pallets.

<b>Bobbins per pallet:</b>	48 pieces
<b>Pallet net weight:</b>	1070 kg – EC 11 2400 563 (15) 1090 kg – EC 11 2400 563 (25) – (50) – (35)
<b>Pallet size:</b>	120 x 88 x 127 cm

Each packing unit is marked with the following information:  
 Producer, product name, batch, gross- / net weight, product code, production date, packing code

## Transport and storage conditions:

The product is transported in closed and moisture protected vehicles  
 The supply is effected with quality certificate.

These products should be stored in original packaging in dry, roofed and dust-free warehouses. The recommended temperature is between 10°C and 30°C at a relative air moisture between 50% and 75%.

Before working the products should be conditioned in original packing in the working area for at least 24 hours. The pallets may not be stacked if there are no other instructions on the packing.

For detailed technical information of the finally valid production norm please ask for the technical data sheet