

Multi-axial Fabrics

Triaxial

Identification

Example: EKT750(0,+45,-45)E -1270
EKT: E-glass Knitted Triaxial fabric
750: Areal weight (g/m²)
(0,+45,-45) Fabric construction, 0°, ±45°
E: Resin system, "E" means EP
1270: Width (mm)



Product Description

Multi-axial fiberglass fabrics are made from Rovings. The Rovings placed parallel in each layer in a designed direction could be arranged 2-6 layers, which are stitched together by light polyester threads. The general angles of the placing direction are 0, 90, ±45 degree. Unidirectional knitted fabric means main mass is in a certain direction, for example 0 degree. It is applied for vacuum infusion or winding process and mainly used for the production of wind blades, pipes, and so on. They are available for epoxy (EP), polyester (UP), and vinyl resin (VE) systems.

Product Benefits

- Good mouldability
- Stable resin speed for vacuum infusion process
- Good combination with resin and no white fiber (dry fiber) after curing

Technical Characteristics

Sizing Type	Area Weight (g/m ²)	Width (mm)		Moisture Content (%)
/	ISO 3374	ISO 5025		ISO 3344
Silane	±5%	<600	±5	≤0.20
		≥600	±10	

Product code	Glass type	Resin system	Total Weight (g/m ²)	Weight per layer(g/m ²)					
				0°	+45°	90°	-45°	Chopped	Stitched Yarn
EKT750(0,+45,-45)	E/ECT	EP/UP	748	142	300	/	300	/	6
EKT1200(0,+45,-45)	E/ECT	EP/UP	1175	567	300	/	300	/	8
EKT1215(0,+45,-45)	E/ECT	EP/UP	1217	709	250	/	250	/	8

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EKT1215(+45,90,-45)	E/ECT	EP/UP	1217	/	250	709	250	/	8
EKT1200(+45,90,-45)	E/ECT	EP/UP	1175	/	300	567	300	/	8

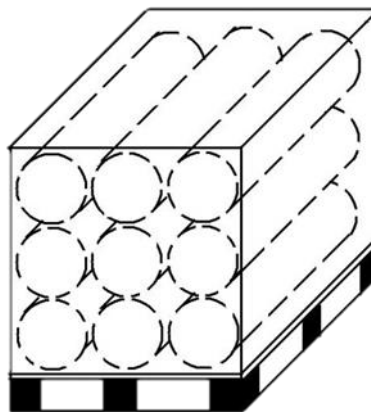
Note:

1. The arrangement and weight of each layer are designed.
2. Total weight:300-1500g/m²
3. Width: 120-2540mm

Packaging

Package	Length (m)	Roll Weight (kg/roll)	Core Inside/Outside Diameter(mm)	Number of roller per pallet	Pallet size(mm) L*W*H
EKT750(0,+45,-45) -1270	110	104	76.5/270	9(3*3)	1350*1070*1080
EKT1200(0+45,-45) -1270	50	74	76.5/270	16(4*4)	1350*1140*1260

Pallets illustration



Note: Products can be packed according to the customer's request.

Storage

The fabrics should be stored away from heat and moisture, and in their original packaging. The best conditions are: temperatures between 15 and 35 °C; humidity between 35 and 65 %.

If the product is not stored under these specifications, it is advisable to condition it in the workshop for at least 24 hours before use, to prevent condensation.

The pallets can be stored in 2 levels (1/1).

CPIC recommends that the material be used according to FIFO (first in, first out) method.

It is recommended the use of a spacer plate (10mm) between the pallets.