

Product information

MULTIAXIAL FABRIC



Product description:

MULTIAXIAL FABRICS are produced on stitch-bonding machines as at least two thread layers in certain angles to each other are sewn together with a PES sewing thread. Before sewing the fabric can be combined with glass mat which permits additional reinforcement in one working step whilst later working. Compared to fabrics multi-axial products have many advantages.

- fast and easy wetting
- low resin consumption
- easy handling, the multi-axial fabric also stays stable whilst cutting-
- saving of work and weight due to optimum reinforcement.
- high quality surface due to lower fiber prints

Technical characteristics (target values):

Glass type:	E-glass
Size:	methacryl-silane
Sewing thread:	PES
Width:	standard width: 127 cm +/-5mm
Fabric edge:	fixed cutting edge
Resin system:	suitable for UP-, EP- and vinylester resins

Standard adjustments:

Type	Square weight	Square weight of single layers (g/m ²)				mat	binding
		-45°	90°	+45°	0°		
Biaxial fabric - GBX 400	406 g/m ²	200		200			F5 fringe
Biaxial fabric - GBX 600	606 g/m ²	300		300			F5 fringe
Quadraxial fabric - GQX 400	396 g/m ²	100	94	100	94		F6 tricot
Quadraxial fabric - GQX 1200 C	1190 g/m ²	300	288	300	288		F6 tricot

Conditioning and packaging (standard version):

Roll diameter:	ca. 40 cm
Average roll weight:	52 kg
Rolls per pallet:	10 - 20 pieces
Pallet base:	125 x 110 cm
Average pallet net weight:	520 - 1060 kg

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

Product information

BIAXIAL-fabric BAT and BATM



Product description:

These fabrics are produced on stitch-bonding machines by warp- and weft threads (0°- and 90°-formation) of the direct roving are positioned in right angle to each other and sewn.

A combination of cut glass fibers (M) or/and nonwoven is no problem.

The BIAxIAL-fabric BAT and BATM are suitable for UP-, EP- and vinylester resins.

Technical characteristics (target values):

Glass type:	E-glass
Size:	methacryl-silane
Sewing thread:	PES
Width:	standard width: 127 cm, 254 cm; possible width: 30 – 250 cm
Fabric edge:	fixed cutting edge

Standard program:

Type	Square weight		Thread count per cm		Material	
	mat	fabric	0°	90°	0° in tex	90° in tex
BAT 600	---	600 g/m ²	2.8	2.2	1200 tex	1200 tex
BATM 700	100 g/m ²	600 g/m ²	2.8	2.2	1200 tex	1200 tex
BATM 800	200 g/m ²	600 g/m ²	2.8	2.2	1200 tex	1200 tex
BATM 900	300 g/m ²	600 g/m ²	2.8	2.2	1200 tex	1200 tex
BATM 1050	450 g/m ²	600 g/m ²	2.8	2.2	1200 tex	1200 tex

Conditioning and packaging (standard version):

Roll diameter:	40 cm
Rolls per pallet:	12 pieces
Pallet base:	125 x 110 cm
Average pallet net weight:	500 kg

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