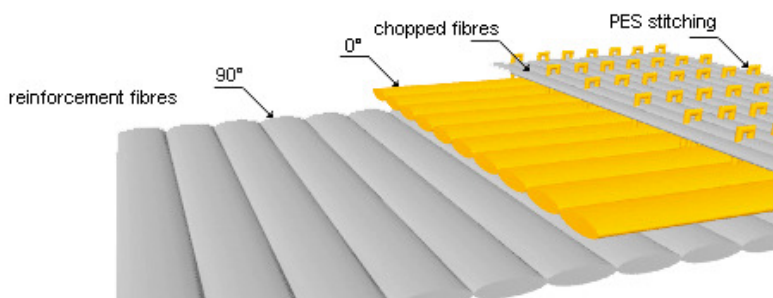


Biaxial fabrics



PRODUCT DESCRIPTION

Bidirectional stitched fabrics (BAT) are non-woven surface structures made up of one (UD-unidirectional fabric) or two layers of roving fibres stitched together with a light polyester thread. Additional layers such as film tapes, glass tissue (F) or chooped roving (M) can be integrated.

PRODUCT APPLICATION

Wide range of bidirectional stitched fabrics is designed for production of glass reinforced plastics (laminates). The chemical treatment (sizing) of fibres used for multiaxial fabrics production is based on silane binding agents which makes them compatible with polyester, vinylester and epoxy resins.

Bidirectional stitched fabrics offer significant advantages over traditionally used woven fabrics:

- higher glass content in finished product
- better performance (tensile and flexural)
- easier handling - stitched fabrics stay intact even when cut
- less print-through
- quicker to wet-out
- no resin-rich areas

NOMENCLATURE:

For product identification following nomenclature is being used:

BAT	bidirectional (0°/90°) stitched fabric
UD0°	unidirectional fabric in warp (up to 98% of total areal weight in direction 0°)
UD 90°	unidirectional fabric in weft (up to 98% of total weight in direction 90°)
M	layer of chopped roving
F	layer of glass fleece
L	stitch pattern: chain
C	stitch pattern: pillar
Y	stitch pattern: chain/pillar

Example: BATM 900 Y600/M300 -1250

BATM	biaxial (0°/90°) stitched fabric with a layer of chopped roving
900	total areal weight in g/m ²
Y	Chain/pillar stitch pattern
600	areal weight of a biaxial fabric layer in g/m ²
M300	areal weight of a chopped roving layer in g/m ²
1250mm	product width in mm

STANDARD PRODUCT LIST:

STYLE	DESCRIPTION	AREAL WEIGHT (g/m ²)						
		0°	+45°	90°	-45°	chopped roving	glass fleece	total
Bidirectional	0°/90° balanced							
	BAT 300 C – 1250mm	144		156				300
	BAT 450 C – 1250mm	288		156				444
	BAT 600 C – 1250mm	288		120				408
	BAT 850 C – 1250mm	432		414				846
	BAT 1200 C – 1250mm	576		624				1200
	BATM 600 Y300/M300-1250mm	144		156		300		600
	BATM 800 Y500/M300-1250mm	288		216		300		804
	BATM 830 Y600/M230-1250mm	288		312		225		825
	BATM 900 Y600/M300-1250mm	288		312		300		900
	BATM 1300 Y850-M450-1250mm	432		414		450		1296
	BATM 2000 Y1700/M300-1250mm	864		840		300		2004
	BATF 730 Y700/F30-1250mm	384		300			33	717
	Unidirectional	0°	+45°	90°	-45°	chopped roving	glass fleece	total
	BAT UD0° 600 C – 1250mm	480		120				600
	BAT UD0° 830 C – 320mm	576		240				816
	BATM UD0° 620 C420/M200-1250mm	420				200		620
	BATM UD0° 730 C580/M150-1250mm	576				150		726
	BATM UD0° 1150 C1000/M150-1250mm	1008				150		1158

STANDARD PACKAGING

Products are manufactured in form of a roll wound on a paper tube. Each roll is packed in a PE-sleeve and placed in layers on a wooden pallet. Every layer of rolls is fixed to the pallet by a PP- tape to form a dispatch unit. Commonly used packaging is related to a standard product width of 125 cm:

- Roll weight: ca.50 kg
- Number of rolls per pallet: 16
- Internal tube diameter: 76 mm
- Standard pallet dimensions in mm: 1250 x 800
1250 x 960
1250 x 1100
- Weight of the pallet: cca. 800 kg
- Number of pallets per truck: 24-25

Note: Other packaging than displayed must be agreed in advance

STORAGE AND TRANSPORT

Recommended storage conditions:

- in dustproofed and dry warehouses at the temperature between 8°- 30 °C max.
- recommended relative humidity of 30-70 %.
- stocking in one layer only.

Transport of the goods by covered means of transport protected against leaking only.

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