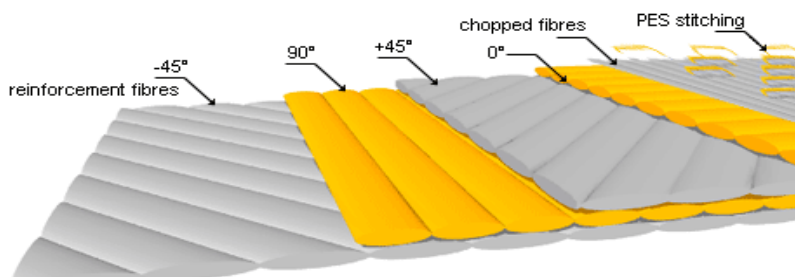


Multiaxial fabrics



PRODUCT DESCRIPTION

Dipex Ltd. started to manufacture stitched multiaxial fabrics in 2001. Fabrication is being provided on modern production equipment that enables us to combine parallel reinforcement fiber plies, which are placed on top of each other in different orientations. Chopped fibres, mat, glass fleece or other material can be added to the outer surface depending on the customer's requirements.

Multiaxial stitched fabrics are non-woven surface structures made up of two or more layers of fibres in different axis stitched with a light polyester thread. Each axis can be constructed with different orientations and densities of fibres. Additional layers such as film tapes, glass tissue or chooped roving can be integrated.

PRODUCT APPLICATION

Wide range of multiaxial 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.

Multiaxial 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
- labour savings – by using fewer multi-layer, heavyweight fabrics

NOMENCLATURE:

For product identification following nomenclature is being used:

GBX	biaxial (+45°/-45°) stitched fabric
GTX	triaxial (+45°/90°/-45°) stitched fabric
GTOX	triaxial (0°/+45°/-45°) stitched fabric
GQX	quadriaxial (0°/+45°/90°/-45°) stitched fabric
M	layer of chopped roving
F	layer of glass fleece
L	stitch pattern: chain
C	stitch pattern: pillar
Y	stitch pattern: chain/pillar

Example: GBXM 900 L600/M300 -1250mm

GBXM	biaxial (+45°/-45°) stitched fabric with a layer of chopped roving
900	total areal weight in g/m ²
L	Chain 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)						
Multiaxial Standard widths: 1250 mm Other widths in mm: from 200 to 1250 mm	+45°/-45°	0°	+45°	90°	-45°	chopped roving	glass fleece	total
	GBX L300		147		147			294
			221		221			442
	GBX L600		305		305			610
	GBX L800		407		407			814
	GBX L1200		610		610			1220
	GBXM 550 L400/M150		202		202	150		554
	GBXM 600 L450/M150		224		224	150		598
	GBXM 830 L600/M230		305		305	230		835
Triaxial Standard widths: 1250 Other widths in mm: from 200 to 1250 mm	+45°/90°/-45°	0°	+45°	90°	-45°	chopped roving	glass fleece	total
	GTX 600 L		204	197	204			605
	GTX 900 L		305	288	305			898
	GTX 1200 L		305	576	305			1186
	0°/+45°/-45°	0°	+45°	90°	-45°	chopped roving	glass fleece	total
	GTOX 600 Y		204		204	180		588
	GTOX 900 Y		238		238	420		896
	GTOX 1200 Y		382		382	432		1196
Quadriaxial Standard widths: 1250 mm Other widths in mm: from 200 to 1250 mm	0°/+45°/90°/-45°	0°	+45°	90°	-45°	chopped roving	glass fleece	total
	GQX 200 C	42	51	48	51			192
	GQX 480 C	146	151	24	151			472
	GQX 600 C	180	158	112	158			608
	GQX 800 C	216	203	216	203			838
	GQX 1000 Y	288	221	288	221			1018
	GQX 1200 Y	288	305	288	305			1186
	GQX 2000 Y	576	475	480	475			2006
	GQX 2400 Y	576	611	624	611			2422

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.