

Woven fabrics



PRODUCT DESCRIPTION

Woven fabrics (STO) are surface structures consisting of glass roving fibres in warp and weft directions woven by a weave pattern with edges fixed by mechanical bond glass thread (melted edge also available).

Woven fabrics at Dipex Ltd. are made of glass fibre (direct roving) in many different versions depending on the used fibre tex, configuration and weave pattern. This together with a large number of new weaving looms provides the basic conditions to ensure a wide range of products.

PRODUCT APPLICATION

Wide range of woven fabrics is designed for production of glass reinforced plastics. Chemical treatment (sizing) of roving fibres based on silane binding agent makes them compatible with polyester, vinylester and epoxy resins.

NOMENCLATURE:

For product identification following nomenclature is being used:

STO	E-glass woven roving balanced
STO UD0°	E-Glass woven roving unidirectional in warp (up to 98% from the total areal weight in direction 0°)
STO UD90°	E-Glass woven roving unidirectional in weft (up to 98% from the total areal weight in direction 90°)
K	twill weave pattern
L	plain weave pattern
P	panama weave pattern

Example: STO UD90° K 600 -1250mm

STO UD90°	E-Glass woven roving unidirectional in weft
K 600	Total areal weight of woven roving(twill weave) in g/m ²
1250mm	Total product width in mm

STANDARD PRODUCTS LIST

STYLE	DESCRIPTION	AREAL WEIGHT (g/m ²)			LLOYD CERTIFICATE
WOVEN FABRIC		warp	weft		
	Balanced	(dir. 0°)	(dir. 90°)	total	Registration No.
	STO L280	150	132	282	
	STO L300	150	150	300	
	STO L360	148	212	360	WP0330010 HH
	STO L500	252	240	492	WP0330025 HH
	STO L580	300	276	576	WP0330026 HH
	STO L600	300	300	600	WP0330026 HH
	STO L680	336	348	684	WP0330026 HH
	STO L690	408	288	696	WP0330026 HH
	STO L800	408	384	792	WP0330027 HH
	STO L830	408	408	816	
	STO L900	504	408	912	
	STO L960	504	456	960	WP0330027 HH
		warp	weft		
	Undirectional	(dir. 0°)	(dir. 90°)	total	Registration No.
	STO UD0° L 480	372	105	477	
	STO UD0° L 825	600	225	825	
	STO UD0° L 1200	1152	72	1224	
	STO UD90° K 600	8,5	600	608,5	

Standard widths:
1250 and 2500 mm
Other widths:
from 150 to 3300 mm

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.