

WOVEN COMBINATIONS

General information

A Woven Combination is a complex of Woven Roving (WR) and chopped glass fibres.

Types of Combinations

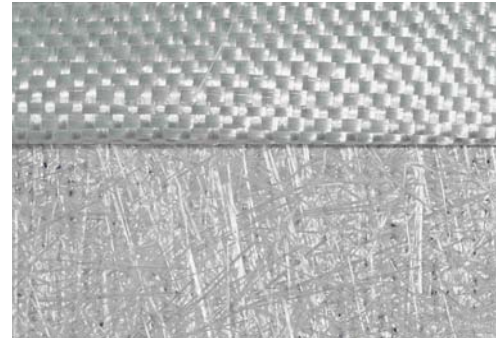
1. "M" - One or more layers of woven roving are "powder bonded" to one or more layers of chopped glass fibres (CSM).
2. "S" - All layers are "stitch bonded" together with a fine polyester- or glass yarn, without chemical binder.
3. "NM" - All layers are "needled" together without binder and without stitching yarn.

Methods of use

- ✓ Hand lay-up
- ✓ Winding
- ✓ Prepregging
- ✓ RTM
- ✓ Pultrusion
- ✓ Centrifugal casting
- ✓ Continuous laminating

Advantages

- ✓ Allows build up of thick laminates very quickly by laminating simultaneously one layer of Woven Roving (WR) and one layer of chopped glass fibres (CSM).
- ✓ Guarantees a regular reinforcement of both Woven Roving (WR) and CSM.
- ✓ Is easy to slit without raveling out, especially when powder bonded.
- ✓ Can be "voluminized" by needling.



Woven Combinations

End uses

- ✓ Boats
- ✓ Profiles
- ✓ Wind turbine blades
- ✓ Pipes
- ✓ Panels
- ✓ Tanks, etc.

Standard Product List

TYPE	WIDTH (cm)	WEAVE	FABRIC WEIGHT (g/m ²)	CSM WEIGHT (g/m ²)	TOTAL WEIGHT (g/m ²)
STITCHED - 'Commodity' for open-mould					
RT300/S300	125 or 250	Plain	300	300	600
RT500/S450	125 or 250	Plain	500	450	950
RT600/S300	125 or 250	Plain	600	300	900
RT800/S300	125 or 250	Plain	800	300	1100
RT800/S450	125 or 250	Plain	800	450	1250
RTE1500/S300	125 or 250	Twill	1500	300	1800
			WARP	WEFT	TOTAL WEIGHT
STITCHED - 'Speciality' for continuous or automated processing					
R300/S300	125 or 250	Plain	2,5 x 600 tex	2,5 x 600 tex	600
R500/S450	125 or 250	Plain	2,1 x 1200 tex	2 x 1200 tex	950
R600/S300	125 or 250	Plain	1,25 x (2x1200 tex)	1,25 x (2x1200 tex)	900
R800/S300	125 or 250	Plain	1,8 x 2400 tex	1,5 x 2400 tex	1100
R1000/S300	125 or 250	Plain	2,5 x 2400 tex	1,65 x 2400 tex	1300
RE1500/S300	125 or 250	Twill	1,6 x (2x2400 tex)	1,5 x (2x2400 tex)	1800
NEEDED					
R300/NM280	169 or 338	Plain	2,5 x 600 tex	2,5 x 600 tex	580
R300/NM410	169 or 338	Plain	2,5 x 600 tex	2,5 x 600 tex	710
R300/NM620	169 or 338	Plain	2,5 x 600 tex	2,5 x 600 tex	920
R420/NM240	169 or 338	Plain	3,6 x 600 tex	3,4 x 600 tex	660
R420/NM430	169 or 338	Plain	3,6 x 600 tex	3,4 x 600 tex	850
POWDER BONDED					
R300/M300	125 or 250	Plain	2,5 x 600 tex	2,5 x 600 tex	600
R600/M300	125 or 250	Plain	1,25 x (2x1200 tex)	1,25 x (2x1200 tex)	900

Other weights & combinations available to order.

Without liability.

05/05