

Ahlstrom Woven Rovings represent one of the most widely used types of reinforcement. The product can be modified to meet specific requirements of a niche application.

# Reinforcements Woven Rovings

## Applications

Ahlstrom Woven Rovings are binder free reinforcements suited for use in numerous production processes: hand lay-up, filament winding, pultrusion, continuous laminating as well as closed moulds. Typical applications are found in boat building, transportation, anticorrosion industries.

Woven Rovings are often used in conjunction with spray-up roving and chopped stand mat.

## Product description

Ahlstrom Woven Rovings are made of continuous E-glass rovings. Different properties can be achieved by varying the weave style or directionality, which can vary from unidirectional to transversal according to specific needs.

Plain weave and twill are the most commonly used weaving types. The binder free Ahlstrom Woven Roving is compatible with several different types of resin.

## Approvals

All Ahlstrom Glassfibre operations are certified according to ISO9001 standard. Certain products are also approved by different classification standards e.g. Det Norske Veritas, Bureau Veritas, Germanischer Lloyd and Registro Italiano Navale.



## Properties

PRODUCT SPECIFICATION (some examples of our product range)						
Product code	Weight g/m <sup>2</sup>	Construction		Weave	Ratio	Thickness mm ISO 4603
		Warp	Weft			
9677 R3-290	290	4.8 x 300	4.4 x 300	plain	52/48	0.28
9715 R6-300	300	4.8 x 250	2.5 x 600	plain	47/53	0.28
9823 R12-420-T	420	4.2 x 34	3.4 x 1200	plain	3/97	0.33
9631 R12-500	500	2.3 x 1200	1.8 x 1200	plain	56/44	0.45
9650 R12-600	600	2.3 x 1200	1.4 x 2400	plain	46/54	0.55
9821 R24-610-L	610	2.3 x 2400	1.6 x 300	plain	92/8	0.50
9622 R24-810	810	1.9 x 2400	1.4 x 2400	plain	58/42	0.65

Standard products	
Weights	200 - 1500 g/m <sup>2</sup>
Widths	5 - 320 cm
Standard roll length	60 / 100 m
Weave types	plain, twill, satin, leno

Ahlstrom Woven Rovings are available in several types of constructions with cut edges and with fringes 1 to 2 cm long.

The indicated width does not include fringes.

## Storage

Ahlstrom Woven Roving products must be stored in a cool, dry area. The recommended temperature is between 10 and 35 °C and the relative humidity between 35 and 75 %. If the product is stored at low temperature (below 15 °C), it is recommended to condition the material in a workshop at least 24 hours before use.

## Standard Packaging

Ahlstrom Woven Roving products are wound on a cardboard tube (internal diameter 76 mm), wrapped in PE film and set on wooden, one way pallet. Each pallet is shrink wrapped. A detailed description of packaging is available on request. Other tube diameters for specific use are available.

This leaflet is issued without obligation. All issued specifications reflect the present status but are subject to change without notice.

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Glass nonwovens

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