

All technical data stated are based on laboratory tests at average results and are provided as a source of information and do not constitute a warranty. Applications suggested here do not release customer to test material for its intended application. Colours are subject to slight variations. Always check the validity of fire certificate.

VALMEX® is recyclable.

All components of our technical textiles are in accordance with the European REACH directive - Registration, Evaluation and Authorisation of Chemicals.

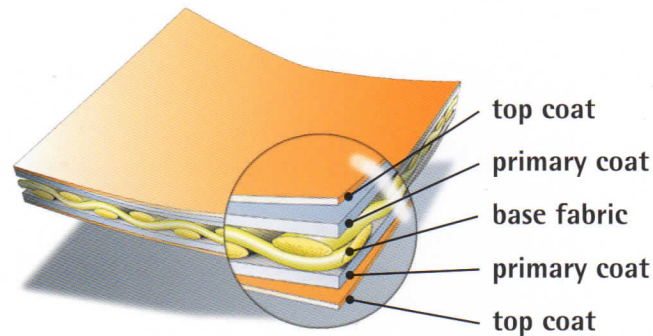
Manufactured in Germany under the internationally recognized standard of quality DIN EN ISO 9001:2008.

VALMEX® boat	Light	Mainstream	Mainstream plus	Heavy	Heavy plus	Life raft	Life raft	Powerstream
Article	7320	7318	7307	7311	7321	7328	7324	7330
Thickness	0.7 mm	0.8 mm	0.9 mm	1.2 mm	1.2 mm	0.55 mm	0.55 mm	1.0 mm
Coating	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Weight	850 g/m ²	1000 g/m ²	1050 g/m ²	1450 g/m ²	1450 g/m ²	630 g/m ²	640 g/m ²	1200 g/m ²
Tensile strength (warp/weft)	2500/2500 N/50mm	3000/3000 N/50mm	3000/3000 N/50mm	3000/3000 N/50mm	3000/3000 N/50mm	2200/2200 N/50mm	3000/2500 N/50mm	3800/3800 N/50mm
Tear strength (warp/weft)	200/150 N	250/250 N	250/250 N	250/250 N	250/250 N	170/170 N	350/300 N	350/350 N
Adhesion	20 N/cm	20 N/cm	20 N/cm	20 N/cm	20 N/cm	20 N/cm	20 N/cm	25 N/cm
Cold resistance	-30 °C	-30 °C	-30 °C	-30 °C	-30 °C	-40 °C	-50 °C	-30 °C
Heat resistance	+70 °C	+70 °C	+70 °C	+70 °C	+70 °C	+70 °C	+70 °C	+70 °C
Light fastness	>6 Note	>6 Note	>6 Note	>6 Note	>6 Note	>6 Note	>6 Note	>6 Note
Crack resistance	<100000 x	<100000 x	<100000 x	<100000 x	<100000 x	<100000 x	<100000 x	<100000 x
Width	150 cm	150 cm	150 cm	150 cm	150 cm	180 cm	180 cm	150 cm

Other widths and colours upon request

VALMEX® boat is a unique material for the manufacture of high-quality inflatable boats used for leisure and recreation.

Four layers of PVC are combined with a Polyester base fabric of high-strength 1100 dtex yarn by melt-roller coating. These single layers give flexibility, elasticity, air-tightness and resistance against mechanical damage to the material. VALMEX® boat is wear and abrasion resistant, UV and weather resistant, insensitive to high temperature conditions and dirt-repellent.



The airtightness of the inflatable boat of course depends to a high extent on the correct finish of the seams. Based on our customers' experiences we recommend taping seams inside as well as outside.

The design of products from VALMEX® fabric must take into consideration the elasticity of the tube when it is inflated. The tube expands in the radial direction and contracts in the axial direction. For example a tube with a pressure of 0.3 bar (approx. 4.3 psi) gives radial strength twice as high as the axial strength because of deformation.

