



## Datasheet Atex 5000 TRL

### VALMIERA GLASS®

**Applications:** Atex™ 5000 TRL is a fully engineered coated textile designed for the fabrication of membrane structures, ceiling constructions, weatherproof awnings and translucent façade covers.

Atex™ membranes are weatherproof, hydrophobic, dimensionally stable, architectural membranes that are odour free, UV resistant, and easily cleaned, there are no toxic emissions produced during manufacture, fabrication, or during the lifetime of the fabric.

Atex™ coated glass membranes have an expected lifespan of 25+ years.

**Recycling:** Atex™ 5000 TRL is Halogen free, and is manufactured from commonly occurring non hazardous products, it is made in an environmentally sensitive production process and both waste and finished product can be recycled. Please refer to our Environmental statement for further details.

Base Fabric	100% Continuous filament e glass yarn, EC6
Weave & Weight	Plain 685 g/m <sup>2</sup> DIN 5384
Coated Fabric Weight	1165 g/m <sup>2</sup> DIN 5384
Thickness	0.80 mm
Standard Widths	2000/2500/3000 mm

Coating	Clear Silicone Elastomer
Tensile strength (typical)	Warp 140 kN/m ISO 1421 Weft 120 kN/m
Trapezoidal Tear (typical)	Warp 550N Weft 550N
Crease resistance	99%
Bi-Axial Mec. properties	Available on request
Optical Values	Solar Standard D65
Transmission	21% DIN EN 410
Reflection	75% DIN EN 410
Absorption	4 % DIN EN 410
Fire Rating	Class 0 (UK) BS 476: Part 6:1989, Part 7: 1997 B1 (DE) DIN 4102, EN 13501-1

Fabrication methods Sew with PTFE thread, or bond with Silicone adhesive tapes, taped joints are typically made using 5 cm wide x 0.75 mm thick reinforced/unreinforced tapes.

Fabrication or joint properties should be established for the grade of silicone tape and its specified sealing parameters on a case by case basis.

Characteristics	Temperature range -50° C to +150°C
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Wicking rate or Capillary Rise	< 5 mm/ 24 h DIN 53 925
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**Note:** Product must be hot-bar welded. Additional certificates available on request. Subject to change regarding technical upgrades. Values indicated without tolerance levels are nominal values with a tolerance range  $\pm 5\%$ . All data presented here is given to the best of our current knowledge for guidance purposes and is not legally binding.

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