

- ✓ **Produced according to EN 15836-2**  
Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools  
Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm
- ✓ **Suitable for the use in indoor and outdoor swimming pools**  
KSW recommendations of the German Federal Health Office (BGA)
- ✓ **EN 71-3**  
Safety of toys - Part 3: Migration of certain elements (heavy metals)

CHARACTERISTIC	VALUE	TEST METHOD
Mass per unit area	2100 g/m <sup>2</sup> - 5 / + 10 %	EN 1849-2
Water absorption	≤ 1 %	EN ISO 62 Method 1
Reinforcement	8 x 8 PES 1100 dtex	
Water vapor permeability μ	16000 ± 30 %	EN ISO 12572
Watertightness (72 h / 400 kPa)	Tight	EN 1928 Method B
Width	1,65 m ± 5 mm	EN 1848-2
Roll length	20 m - 0 / + 1,5 %	EN 1848-2
Flatness	≤ 10 mm	EN 1848-2
Straightness	≤ 30 mm	EN 1848-2
Mean Thickness	1,8 mm ± 10 %	EN 1849-2
Tensile Strength	≥ 2500 N/50 mm	EN 12311-2 Method A
Elongation at break	≥ 18 %	EN 12311-2 Method A
Peel resistance	≥ 80 N/50 mm	EN 12316-2
Tear resistance (trapezoid)	≥ 400 N	EN 12310-2
Dimensional stability (80 °C / 6 h)	≤ 0,5 %	EN 1107-2
Resistance to foldability at low temperature	- 15 °C	EN 495-5
Peal resistance of joints	≥ 80 N/50 mm	EN 12316-2
Slip resistance	18 ° ≤ Inclination < 24°  Class B	EN 15836 Annex B DIN EN 13451:2011-11 DIN EN 15288-1:2010-12 DIN 51097:1992-11
Resistance to artificial ageing (6000 h)	≥ 3	EN 20105-A02 EN ISO 4892-2 Method A Cycle No. 1
Resistance to microorganisms	Mass loss ≤ 1 %	EN ISO 846 Method D
Resistance to bacteria Streptovercillium reticulum (ATCC 25607)	No stains	EN ISO 846 Method C
Chlorine resistance	≥ 4	EN 20105-A02 EN 15836-2 Annex C
Resistance to staining agents	Rating ≥ 3	EN 15836-2 Annex D

## PRODUCT DATA SHEET

**STORAGE AND INSTALLATION**

Store the rolls horizontally and protected against solar / UV radiation, rain, snow, ice and other weather influences. Storage at temperatures between 5 °C and 35 °C. Do not stack pallets during the storage. Protect the product on-site against direct weathering influences.

The installation should take place at temperatures higher than 15 °C. The product must be installed in accordance with our Installation Manual for reinforced swimming pool membranes. The product shall be welded with hot air by using heat guns.

**ADDITIONAL INFORMATION**

Recommended water temperature 33 °C.

Not resistant to tar, bitumen, oil, fuel and other solvents.

Not resistant in direct contact to other plastics, e. g. polystyrene.

**LEGAL NOTICE**

The customer/installer must check the applicability of the product for the intended use. He is responsible for the proper application, usage, and processing of the product.

We assure the correct quality of our products according to our general terms of sale and delivery. All data are according to our current state of knowledge.

On behalf of the warranty, the distributor has to ensure that his customers are informed about our installation and maintenance instructions.

**ECOLOGY, HEALTH AND SAFETY (REACH)**

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use.

A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it.

Based on our current knowledge, this product does not contain SVHC (Substances of Very High Concern) from the Candidate List or Annex XIV published by the ECHA (European Chemicals Agency) in concentrations above 0.1 % by weight.

**DISPOSAL**

Dispose in accordance with local regulations.

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