

TECHNICAL DATA SHEET

RENOLIT ALKORPLAN NATURAL POOL – Type 00328

Application:

Reinforced membrane for natural pools. This membrane is useful in ponds containing fish or other aquatic species.

TECHNICAL DATA SHEET according to the European standard EN 15836, Plastics — Plasticized poly vinyl chloride (PVC-P) membranes for in ground swimming pools — Part 2: Reinforced membranes of nominal thickness equal to or greater than 1,5 mm

Characteristic	Value	Test Method
Composition specifications		
Mass per unit area	$2 \pm 0,1 \text{ kg/m}^2$	EN 1849-2
Reinforcement	3 x 3 PET 110 Tex	
Water absorption	$\leq 1 \text{ \% masse}$	EN ISO 62 Method 1
CaCO ₃ content	$\leq 3 \text{ \% masse}$	Atomic absorption spectrometry
Dimensional specifications		
Mean thickness	$1,5 \text{ mm} \pm 10\%$	EN 1849-2
Mechanical specifications		
Tensile strength	$\geq 800 \text{ N/50 mm}$	EN 12311-2 A
Elongation at break	$10 \pm 3 \text{ \%}$	EN 12311-2 A
Tear resistance	$\geq 100 \text{ N}$	EN 12310-2
Dimensional stability	$\leq 0,5 \text{ \%}$	EN 1107-2
Resistance to foldability at low temperature	$\leq -20 \text{ }^\circ\text{C}$	EN 495-5
Perforation resistance	Absence of perforation	DIN 4062 5.7
Watertightness	$< 1 \times 10^{-3} \text{ l/m}^2\cdot\text{day}$ according EN 16582-1	EN 14150
Durability specifications		
Resistance to an artificial ageing of 19 GJ/m ² (6.000 h)	$\geq 2-3$ according EN 20105-A02	EN ISO 4892-2:2006 Method A cycle n°1
Resistance to action of microorganisms	Mass Loss $\leq 3 \text{ \%}$	EN ISO 846:1997 / D
Resistance to streptovorticium reticulum bacteria ATCC 25607	No Stains	EN ISO 846:1997 / C
Chlorine resistance	Rating ≥ 2	EN 15836 Annex C
Resistance to staining agents	$2 \leq \text{Rating} \leq 3$	EN 15836 Annex D

The composition of the membrane conforms to European legislation (CMR content cat. 1 and 2 less than 0.1% - Sum of Pb, Cd, Hg, Cr (IV) and As less than 100 mg/kg).

Storage Conditions:

The rolls must be stored horizontally in their original packaging in a dry room at a moderate ambient temperature (15 – 25 °C).

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