

Technical Data Sheet

RENOLIT ALKORPLAN1000



RENOLIT ALKORPLAN1000 - Type 35066

Application:

Reinforced, membrane for the waterproofing of swimming pools.

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

Table 1: Characteristics of the membrane

Characteristic	Value	Test Method
Mass per unit area	1,8 ± 0,1 kg/m ²	EN 1849-2
Reinforcement	3 x 3 PET 110 Tex	
Water absorption	≤ 1 % of mass	EN ISO 62 Method 1
CaCO ₃ content	≤ 3 % of mass	Atomic absorption spectrometry

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).

Table 2: Dimensional characteristics

Characteristic	Value	Test Method
Mean thickness	1,5 mm ± 5%	EN 1849-2

Table 3: Mechanical characteristics

Characteristic	Value	Test Method
Tensile strength	≥ 1,1 KN/50 mm	EN 12311-2 A
Elongation at break	18 ± 3 %	EN 12311-2 A
Tear resistance	≥ 180 N	EN 12310-2
Dimensional stability	≤ 0,5 %	EN 1107-2
Resistance to foldability at low temperature	≤ -25 °C	EN 495-5
Peel resistance of joints	≥ 80 N/50mm	EN 12316-2

Table 4: Characteristics for durability

Characteristic	Value	Test Method
Resistance to an artificial ageing of 19 GJ/m ² (6000 h)	≥ 3 according EN 20105-A02	EN ISO 4892-2:2006 Method A cycle n°1
Resistance to action of microorganisms	Mass Loss ≤ 3 %	EN ISO 846:1997 / D
Resistance to streptovorticilium reticulum bacteria ATCC 25607	No Stains	EN ISO 846:1997 / C
Chlorine resistance	Rating ≥ 3	EN 15836 Annex C
Resistance to staining agents	Rating ≥ 2	EN 15836 Annex D

Storage Conditions:

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

1 September 2015