

- ✓ **Harmless for health according to EN 71-3**  
Safety of toys - Part 3: Migration of certain elements (heavy metals)
- ✓ **Based on pure virgin raw material**

## CHARACTERISTICS

- Innovative surface finish, absolutely resistant to contamination or discoloration on the water line, by contact with sun creams, cosmetic products and chemicals, best easy to clean effect
- Ultimate scratch resistance
- Extremely high resistance to ageing
- Extremely resistant against UV rays
- Extremely resistant against chlorinated water
- Resistant to algae and microorganisms
- Resistant to permanent water temperature of max. + 35 °C
- Hot air weldable (reverse side)
- REACH conform
- Not resistant to tar, bitumen, oil, fuel and other solvents
- Not resistant in direct contact to other plastics, e. g. polystyrene

## TECHNICAL DATA

ESSENTIAL CHARACTERISTICS	PERFORMANCE	TEST STANDARD
<b>Thickness</b>	1.20 mm ± 7.5 %	EN 1849-2 <sup>1)</sup>
<b>Mass per unit area</b>	1.50 ± 0.1 kg/m <sup>2</sup>	EN 1849-2
<b>Width</b>	26 cm ± 10 mm	EN 1848-2
<b>Roll length</b>	25 m - 0 / + 1.5 %	EN 1848-2
<b>Tensile properties:</b>		
- <b>Tensile strength</b>	≥ 13 N/mm <sup>2</sup>	EN 12311-2 B
- <b>Elongation at break</b>	≥ 130 %	EN 12311-2 B
<b>Tear resistance (nail shank)</b>	≥ 300 N	EN 12310-1
<b>Dimensional stability (80 °C / 6 h)</b>	≤ 7.0 % MD <sup>1)</sup> ≤ 2.0 % CMD <sup>2)</sup>	EN 1107-2
<b>Resistance to foldability at low temperature (- 5 °C)</b>	No cracks	EN 495-5
<b>Visible defects</b>	Pass	EN 1850-2
<b>Resistance to artificial aging (6000 h)</b>	≥ 3 according EN 20105-A02	EN ISO 4892-2 Method A cycle No. 1
<b>Resistance to microorganisms</b>	Mass loss ≤ 1 %	EN ISO 846 D
<b>Resistance to streptovorticillium reticulum bacteria ATCC 25607</b>	No stains	EN ISO 846 C
<b>Chlorine resistance</b>	Rating ≥ 5	EN 15836 Annex C
<b>Resistance to staining agents</b>	Rating ≥ 5	EN 15836 Annex D

<sup>1)</sup> Machine direction

<sup>2)</sup> Cross machine direction

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## STORAGE AND APPLICATION INSTRUCTIONS

Store the rolls in a horizontal lying position and protected against solar / UV radiation, rain, snow, ice and other weather influences at temperatures between + 5 °C and + 35 °C. Protect the product also on-site against direct weathering influences.

The processing should take place at temperatures higher than + 10 °C. The waterproofing membrane must be installed in accordance to our Installation Manual for reinforced swimming pool membranes. The welding of all membrane overlaps shall be made by using hot-air welding machines and pressure rollers or automatic heat welding machines.

## LEGAL NOTICE

The customer/installer has to 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 conditions of sale and delivery.

All declarations comply with our recent knowledge.

In behalf of the warranty, the distributor has to secure 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 % w/w).

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