

## ProPlay-HP40li

### Technical data sheet



ProPlay-HP40li professionally designed as a sport technical performance layer for artificial turf sports fields.

For a prompt installation, the ProPlay-HP40li is supplied as rolls of (maximum) 75 meters in length and 1 or 2 meter(s) in width. The installation guide can be downloaded at our website ([www.schmitzfoam.com](http://www.schmitzfoam.com)) or available upon request at our sales department.

#### Physical characteristics

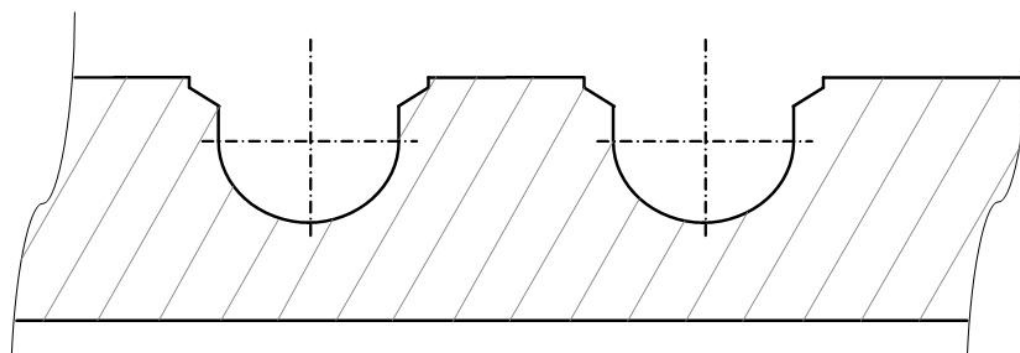
ProPlay-HP40li consists of thermal bonded (closed-celled) cross-linked Polyethylene foam (PEX). This foam originates from production residues and contains no contaminants. ProPlay-HP40li is fully tested based on microbiological resistance (according EN 12225) resistance to: weathering (according EN 12224), oxidation (according EN-ISO 13438), acids & bases (according EN 14030). The predicted durability of PEX is a 100 years minimum (according ISO/TR 13434).

ProPlay-HP40li is tested by simulated mechanical wear using the Lisport wear test. Even after 65.000 cycles (Lisport simulated average 30\* year usage) there are hardly any differences in sport technical characteristics (SA,VD, HIC).

The ProPlay-HP40li is tested on simulated ageing weatherability according EN 13744 and EN 13817. This ageing test has virtually no influence on the dimensional properties of The ProPlay-HP40li.

\* based on 1 cycle = 1 hour of usage and 2080 hours of usage per year (average usage of 52 weeks a year and 40 hrs a week)

channels for heating pipes



## Technical data

### Physical

Thickness at 2 kPa load	42	mm	
Mass per unit area	5.5	kg/m <sup>2</sup>	

### Strength

Tensile strength	0.26	MPa	EN 12230
Tensile strength after (air) ageing acc. EN 13817	0.26	MPa	EN 12230

### Performance

Shock absorption	76	%	EN 14808
Force reduction	76	%	AAA*
Energy restitution	36	%	AAA*
Vertical deformation	12	mm	AAA*
Vertical deformation	10.5	mm	EN 14809

### Drainage and isolation

Water infiltration rate [IA]	72000	mm/hr	EN 12616
Thermal conductivity [ $\lambda_{10}$ ]	0.05	W/m.K	EN 12667
(resulting) Thermal resistance [R-value]	840	m <sup>2</sup> .K/W	EN 12667

\*AAA = Advanced Artificial Athlete

The provided information is, to the best of our knowledge, true and accurate (at the time of revision). This information is based on (independent) measurements and (where possible) based on average values, measured over a long and representative period. Additional information (e.g. additional characteristics, specific (independent) reports or statistical analysis) is available upon request. Schmitz Foam Products is allowed to change this information and/or the product (without notice) and assumes no legal responsibility for use of and/or reliance on this information.