



CROSS-LINKED FOAM SOLUTIONS

# Palfoam

## Product Specification

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**Foam Grade: PA 200**

| Physical Properties       | Property            |           | Test Method    | Units             | Values    |
|---------------------------|---------------------|-----------|----------------|-------------------|-----------|
|                           | Density - Nominal   |           | ISO-845        | Kg/m <sup>3</sup> | 50        |
|                           | Density Range       |           |                |                   | 40 - 50   |
|                           | Tensile Strength    |           | ISO-1798       | kPa (min)         | 428       |
|                           | Elongation at Break |           |                |                   | % (min)   |
|                           | Compressive Stress  |           | ISO -844 ii    | kPa               | 94 - 131  |
|                           | Deflection          | 25%       |                |                   | 161 - 218 |
|                           |                     | 50%       |                |                   | 14        |
|                           | Compression Set     | 25% 1/2hr | ISO-1856 iii   | % (max)           | 3         |
|                           |                     | 25% 24hr  |                |                   |           |
| 50% 1/2hr                 |                     |           |                |                   |           |
| 50% 24hr                  |                     |           |                |                   |           |
| Working Temperature Range |                     | Internal  | C              | -60 / +90         |           |
| Water Absorption 7 days   |                     | Internal  | % Vol (max)    | 1                 |           |
| Shore Hardness            |                     | ASTM-2240 | Shore OO (min) | 60                |           |

|               |   |        |           |       |
|---------------|---|--------|-----------|-------|
| Visual Aspect | <p>Palfoam is a closed cell cross-linked polyethylene foam block.</p> <p>The block's net dimensions in mm after removing the skin:</p>  |        |           |       |
|               | Length  | Width  | Thickness |       |
|               | 1700  | 1000   | 80        |       |
|               | <ul style="list-style-type: none"> <li>Foam's surface - smooth.</li> <li>If holes were created during the foaming process, the defect occurrence within the net size block may not exceed:</li> </ul> |        |           |       |
|               | Hole Diameter   | < 2 mm | 2-5 mm    | >5 mm |
|               | Occurance of holes per m <sup>2</sup>   | 6      | 2         | 1     |

|             |  |
|-------------|--|
| Environment | See MSDS                               |
| Marking     | dd / mm / Semi-lot   (density) color # |

- i Measured on 25 mm thick samples taken both from block's centre and block's edge.
- ii Deflection up to 70% with piling.
- iii Method C; 22 hr at 23°C; sample taken from block's center.

This information on Palfoam chemically cross-linked polyethylene foam is presented to our best knowledge. Data are typical values measured on 10 mm thick specimen and should be considered as guidelines only.

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