



Last Update: 25 December, 2011

**GA40 - Technical Data Sheet**

<b>Test</b>	<b>Standard</b>	<b>Result</b>	<b>Measured unit</b>
Density	ISO 845	40	Kg/m <sup>3</sup>
Tensile strength - MD	ISO 1798	443	kPa
Tensile strength - TD	ISO 1798	364	kPa
Elongation - MD	ISO 1798	11	%
Elongation - TD	ISO 1798	122	%
Compression 10%	ISO 844	38	kPa
Compression 25%	ISO 844	59	kPa
Compression 50%	ISO 844	126	kPa
Compression Set 25% 0.5H	ISO 1856	9	%
Compression Set 25% 24H	ISO 1856	3.5	%
Compression Set 50% 0.5H	ISO 1856	28	%
Compression Set 50% 24H	ISO 1856	18	%
Working Temperature Range	Internal	-60 \ 90	°C
Water Absorption %Vol (max)	Internal	1	%
Water Vapour Transmission	ISO 1663	1.59	g/m <sup>2</sup> *24h
Thermal Conductivity at 10C	ASTM C177	0.0390	W/mK
Thermal Conductivity at 40C	ASTM C177	0.0420	W/mK
Shore-OO	ASTM D2240	59	oo
Flammability	FMVSS302	48	mm/min

Galfoam is closed cell cross-linked polyethylene foam sheet, produced in an extrusion process.

This information is presented to the best of our knowledge; we reserve the right to modify it.

- WRAS approved for cold water use.
- Dimensional stability 24 hr at 70C < 2%.
- If pinholes were created during the foaming process, no more than 6 holes of diameter 2mm per 1m<sup>2</sup> of sheet are acceptable.
- MD - machine direction - along the extruder's axis.
- TD - transverse direction - Perpendicular to the extruder's axis.
- Data represents typical values measured on a 10 mm thick specimen and should be considered as a guideline only.