

**Material Specification
Sheet**e: sales@rhnutall.co.uk
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Polyethylene Foam GA25**

Description	Test	Standard value	Unit
Density	ISO 845	25	Kg/m ³
Tensile Strength – MD	ISO 1798	291	kPa
Tensile Strength – TD	ISO 1798	237	kPa
Elongation – MD	ISO 1798	100	%
Elongation – TD	ISO 1798	115	%
Compression 10%	ISO 844	20	kPa
Compression 25%	ISO 844	39	kPa
Compression 50%	ISO 844	98	kPa
Compression Set – 0.5hrs	ISO 1856	14	%
Compression Set – 24hrs	ISO 1856	5.5	%
Working Temperature Range	Internal	-60 \ 80	°C
Water Absorption % Vol (max)	Internal	1	%
Water Vapour Transmission	ISO 1663	0.97	g/m ² *24h
Thermal Conductivity at 10C	ASTM C177	0.0390	W/mK
Thermal Conductivity at 40C	ASTM C177	0.0460	W/mK
Flammability	FMVSS302	94	mm/min

GA25 is a closed cell cross-linked polyethylene foam sheet.

Tolerances other than the above may be negotiated.

Dimensional stability 24 hr at 70C < 2%.

If pinholes were created during the foaming process, no more than 6 holes of diameter 2mm per 1m² of sheet are acceptable.

MD – machine direction – along the extruder's axis.

This information on GA25 chemically cross-linked polyethylene foam is presented to the best of our knowledge. Data represents typical values measured on a 10mm thick specimen and should be considered as guidelines only.

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

