

## Specification Sheet / 01

# A345 33 FR Closed Cell Cross-Linked Polyethylene Foam Block



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11738

| Description                  | Test          | Standard Value | Unit                  |
|------------------------------|---------------|----------------|-----------------------|
| Density                      | ISO 845       | 33             | Kg/m <sup>3</sup>     |
| Tensile Strength             | ISO 1798      | 274            | kPa                   |
| Elongation                   | ISO 1798      | 175            | %                     |
| Compression 10%              | ISO 844       | 43             | kPa                   |
| Compression 25%              | ISO 844       | 59             | kPa                   |
| Compression 50%              | ISO 844       | 120            | kPa                   |
| Compression Set – 0.5 Hrs    | ISO 1856      | 17.0           | %                     |
| Compression Set – 24 Hrs     | ISO 1856      | 5.0            | %                     |
| Compression Set 50% 0.5 Hrs  | ISO 1856      | 28.0           | %                     |
| Compression Set 50% 24 Hrs   | ISO 1856      | 18.0           | %                     |
| Working Temperature Range    | Internal      | -60 / 90       | °C                    |
| Water Absorption %Vol (max)  | Internal      | 1              | %                     |
| Water Vapour Transmission    | ISO 1663      | 1.65           | g/m <sup>2</sup> *24h |
| Thermal Conductivity at 10°C | ASTM C177     | 0.0380         | W/mK                  |
| Thermal Conductivity at 40°C | ASTM C177     | 0.0420         | W/mK                  |
| Shore-OO                     | ASTM D2240    | 54             | oo                    |
| FR Standard                  | DIN 4102-1 B2 |                |                       |
| Dimensional stability        | 24 hr at 70°C | < 2%.          |                       |

If holes were created during the foaming process, no more than 6 holes of diameter 2mm per 1 m<sup>2</sup> sheet are acceptable.

FR standards: UL94 HF-1 , EN 11925-2 CLASS E .

Tolerances other than the above may be negotiated.

| Change Control Date | Change  |
|---------------------|---------|
| 02/08/2013          | Created |



The above figures are average values.  
We recommend that you examine any material you select to ensure its suitability for your application.  
Tolerance(s) applied in accordance with ASG specification No WI007 (<https://bit.ly/3nKm6Hj>) unless otherwise stated.  
Our standard terms and conditions of trading (<https://bit.ly/3b3mThw>) apply at all times.

