

# Specification Sheet (Superceded) / 01 A340 / 33 Closed Cell Expanded Polyethylene



ISO9001, ISO14001, ISO45001  
Certificate Ref: 11738

| Property                             | Average Values                    |
|--------------------------------------|-----------------------------------|
| General                              |                                   |
| Density ISO845                       | 33 kg/m <sup>3</sup>              |
| Tensile strength @ 23 °C             |                                   |
| Lengthwise                           | 130 %                             |
| Crosswise                            | 125 %                             |
| Comprehensive strength ISO 844       |                                   |
| Deflection 10 %                      | 19 kPa                            |
| Deflection 25 %                      | 40 kPa                            |
| Deflection 50 %                      | 105 kPa                           |
| Compression Set ISO 1856-C           | 22 h charge 23 °c deflection 25 % |
| Deflection 25 % .5h after discharge  | 20%                               |
| Deflection 25 % 24h after discharge  | 11 %                              |
| Thermal conductivity ISO 2581        |                                   |
| @ 10 °C                              | 0.034 W/m.K                       |
| @ 40 °c                              | 0.039 W/m.K                       |
| Working temperature range            | -80 °c / +100 °c                  |
| Water absorption (96 h)              | <1 vol %                          |
| Water vapour transmission ISO 1663   | - G/m x 24 h                      |
| U Value (23 °C, 0.85 % r h) ISO 1663 |                                   |
| Shore Hardness ' 00' Scale           | 21 - 44                           |
| Change Control Date                  | Change                            |
| 16/08/2013                           | 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.

