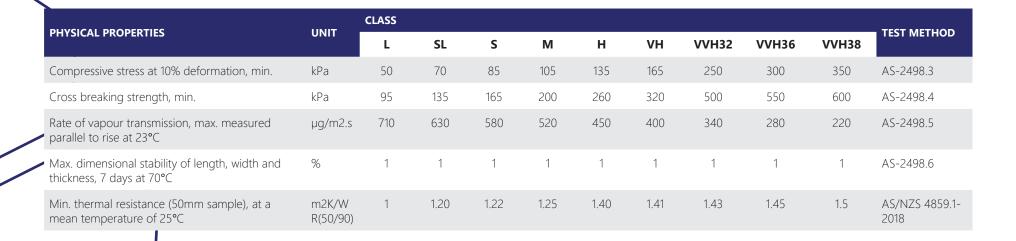
depending on your project requirements.





| FLAME PROPOGATION CHARACTERISTICS | UNIT | CLASS |    |    |    |    |    |       |       |              |             |  |
|-----------------------------------|------|-------|----|----|----|----|----|-------|-------|--------------|-------------|--|
|                                   |      | L     | SL | S  | М  | н  | VH | VVH32 | VVH36 | <b>VVH38</b> | TEST METHOD |  |
| Median flame duration max.        | SD   | 2     | 2  | 2  | 2  | 2  | 2  | 2     | 2     | 2            | AS-2122.1   |  |
| Eighth value max.                 | SD   | 3     | 3  | 3  | 3  | 3  | 3  | 3     | 3     | 3            | AS-2122.1   |  |
| Median volume retained            | %    | 15    | 18 | 22 | 30 | 40 | 50 | 60    | 60    | 70           | AS-2122.1   |  |
| Eighth value min.                 | %    | 12    | 15 | 19 | 27 | 37 | 47 | 57    | 57    | 68           | AS-2122.1   |  |



Styroboard<sup>®</sup>

|                                              | UNIT         | CLASS         |               |               |               |               |               |               |               |               |             |
|----------------------------------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| OTHER PROPERTIES                             |              | L             | SL            | S             | М             | н             | VH            | VVH32         | VVH36         | <b>VVH38</b>  | TEST METHOD |
| Density - nominal                            | kg/m3        | 11            | 13.5          | 16            | 19            | 24            | 28            | 32            | 36            | 38            | n/a         |
| Compressive strength at 1% deformation, max. | kPa          | 14            | 23            | 31            | 42            | 58            | 60            | 63            | 65            | 70            | ASTM D1621  |
| Compressive strength at 5% deformation, max. | kPa          | 33            | 59            | 68            | 95            | 134           | 164           | 230           | 290           | 340           | ASTM D1621  |
| Flexural strength, min.                      | kPa          | 60            | 150           | 178           | 218           | 304           | 337           | 362           | 385           | 413           | ASTM C203   |
| Elastic modulus, min.                        | kPa          | 1450          | 2200          | 3100          | 4250          | 5850          | 7250          | 8650          | 9850          | 10950         | n/a         |
| Water absorption by total immersion, max.    | Vol. %       | 4             | 4             | 4             | 3             | 3             | 2             | 2             | 1             | 1             | ASTM C272   |
| Buoyancy force                               | kg/m3        | 989           | 986.5         | 984           | 981           | 976           | 972           | 968           | 965           | 963           | n/a         |
| Coefficient of thermal expansion             | m/m<br>deg K | 6.3 x<br>10-5 | 6.3 x<br>10-6 | 6.3 x<br>10-7 | 6.3 x<br>10-8 | ASTM D696   |

Australian Standard 1366, Part-3 1992 Physical Properties of Rigid Cellular Polystyrene sets out the minimum required properties for six classes of EPS. The Standard defines the industry specifications and manufacturing methods for compliance.

The table above details the physical properties of EPS that are mandated for satisfying AS 1366, Part-3 1992. Foamex Styroboard EPS is stringently manufactured to meet all requirements defined in Australian Standard 1366, Part-3 1992.

VVH32, VVH36 & VVH38 are additional grades developed by Foamex that sit outside of this standard to meet the demand for customised requirements.

Continued

The information submitted in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application, this data does not relieve the purchaser of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

