

# Plastazote® MP45

## Low Density Polyethylene Foam

### Product Information

#### Typical Values

Plastazote® is a closed cell, cross-linked polyethylene block foam manufactured using Zotefoams unique production process.

The values provided in this product information represent data gathered from random samples of our production of **Plastazote® MP45** foam and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.

| Property   | Test Standard                          | Units             | Typical value |
|--|--|-------------------|---------------|
| <b>Apparent Density</b><br>Skin/Skin   | BS EN ISO 7214:2012                    | kg/m <sup>3</sup> | 45 (nominal)  |
| <b>Cell Size</b> (Cell Diameter)   | Internal                               | mm                | 0.2           |
| <b>Compression Stress-Strain</b><br>25% compression<br>50% compression             | BS EN ISO 7214:2012<br>25 mm cell-cell | kPa               | 85<br>159     |
| <b>Tensile Strength</b><br><b>Tensile Elongation</b>                               | BS EN ISO 7214:2012                    | kPa<br>%          | 1011<br>214   |
| <b>Compression Set</b><br>25% comp., 22hr, 23°C<br>½ hr recovery<br>24 hr recovery | BS EN ISO 7214:2012<br>25 mm cell-cell | % set             | 5.5<br>2      |
| <b>Tear Strength</b>   | BS EN ISO 8067:2008 Method B           | N/m               | 3542          |
| <b>Shore Hardness</b><br>OO Scale  | BS EN ISO 868:2003                     |                   | 66            |
| <b>Recommended maximum operating temperature*</b>                                  | Internal                               | °C                | 100           |

#### \* RECOMMENDED MAXIMUM OPERATING TEMPERATURE

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any particular temperature is dependant on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.



#### Plastazote® MP45

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