

# Plastazote® LD30 SD

## Static Dissipative 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® LD30 SD 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>                           |                        |                   | (nominal)           |
| Skin/Skin   | BS EN ISO 7214:2012    | kg/m <sup>3</sup> | 30                  |
| <b>Cell Size</b> (Cell Diameter)                  | Internal               | mm                | 0.4                 |
| <b>Compression Stress-Strain</b>                  | BS EN ISO 7214:2012    | kPa               |                     |
| 25% compression                                   | 25 mm cell-cell        |                   | 79                  |
| 50% compression                                   |                        |                   | 148                 |
| <b>Tensile Strength</b>                           | BS EN ISO 7214:2012    | kPa               | 387                 |
| <b>Tensile Elongation</b>                         |                        | %                 | 64                  |
| <b>Electrical Conductance</b>                     |                        |                   |                     |
| <b>Surface Resistivity</b>                        | ANSI/ESD STM11.11-2015 | Ω/sq.             | 3 x 10 <sup>7</sup> |
| <b>Compression Set</b>                            | BS EN ISO 7214:2012    | % set             |                     |
| 25% comp., 22hr, 23°C                             | 25 mm cell-cell        |                   |                     |
| ½ hr recovery                                     |                        |                   | 10                  |
| 24 hr recovery                                    |                        |                   | 5                   |
| <b>Shore Hardness</b>                             | BS EN ISO 868:2003     |                   |                     |
| OO Scale  |                        |                   | 61                  |
| <b>Recommended maximum operating temperature*</b> | Internal               | °C                | 95                  |
| <b>Water absorption</b>                           | ISO 2896:2001 Ed3.     | %                 | <1                  |

#### \* 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.

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### Zotefoams plc

675 Mitcham Road,  
Croydon,  
Surrey  
CR9 3AL  
United Kingdom  
Telephone: +44 (0) 20 8664 1600  
Telefax: +44 (0) 20 8664 1616  
[www.zotefoams.com](http://www.zotefoams.com)

### Zotefoams Inc

55 Precision Drive  
Walton  
Kentucky  
41094  
USA  
Telephone: +1 859 371  
Freephone: (800) 362-8358 (US Only)  
Telefax: +1 859 371 4734

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