

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