

Plastazote® LD33

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® LD33 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 | 33 |
| Cell Size (Cell Diameter) | Internal | mm | 0.4 |
| Compression Stress-Strain | BS EN ISO 7214:2012 | kPa | |
| 25% compression | 25 mm cell-cell | | 66 |
| 50% compression | | | 133 |
| Tensile Strength | BS EN ISO 7214:2012 | kPa | 419 |
| Tensile Elongation | | % | 149 |
| Flammability | | | |
| Automotive | FMVSS.302 – Burn rate | <100mm/min. | Pass at 9mm |
| Compression Set | BS EN ISO 7214:2012 | % set | |
| 25% comp., 22hr, 23°C | 25 mm cell-cell | | |
| ½ hr recovery | | | 9 |
| 24 hr recovery | | | 4 |
| Tear Strength | BS EN ISO 8067:2008 | N/m | 1888 |
| | Method B | | |
| Shore Hardness | BS EN ISO 868:2003 | | |
| OO Scale | | | 58 |
| Recommended maximum operating temperature* | Internal | °C | 95 |
| Water absorption | ISO 2896:2001 Ed3. | % | <1 |
| Thermal conductivity | ISO 8301:1991 | W/mK | 0.039 |
| Mean temperature 10°C | | | |

* 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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