

Plastazote® MP15FR

Flame-Retarded 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® MP15FR 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 Skin/Skin | BS EN ISO 7214:2012 | kg/m ³ | 15 (nominal) |
| Cell Size (Cell Diameter) | Internal | mm | 0.7 |
| Compression Stress-Strain 25% compression 50% compression | BS EN ISO 7214:2012 25 mm cell-cell | kPa | 36 94 |
| Tensile Strength Tensile Elongation | BS EN ISO 7214:2012 | kPa % | 307 149 |
| Flammability Aviation | CS 25.853 App. F 1a 1ii FAR 25.853 App. F 1a 1ii | | 12 second test Pass at 3mm and 12mm |
| Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery | BS EN ISO 7214:2012 25 mm cell-cell | % set | 15 5 |
| Tear Strength | BS EN ISO 8067:2008 Method B | N/m | 1418 |
| Shore Hardness OO Scale | BS EN ISO 868:2003 | | 42 |
| Recommended maximum operating temperature* | Internal | °C | 80 |
| Water absorption | ISO 2896:2001 Ed3. | % | <2 |
| Thermal conductivity Mean temperature 10°C | ISO 8301:1991 | W/mK | 0.037 |

* 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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