

Grade

- Plastazote® – LD24

Description

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

Physical

| PROPERTY | TEST METHOD | UNITS | TYPICAL VALUE |
|--|---------------------------------------|-------------------|---------------|
| Density skin/skin | BS EN ISO 7214:2012 | Kg/m ³ | 24 (nominal) |
| Cell Size (Cell Diameter) | Internal | mm | 0.3 |
| Compression Stress – Strain 25% compression 50% compression | BS EN ISO 7214:2012 25mm cell-cell | kPa | 52 116 |
| Tensile Strength Tensile Elongation | BS EN ISO 7214:2012 | kPa % | 328 123 |
| Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery | BS EN ISO 7214:2012 25mm cell-cell | % set | 11 4 |
| Tear Strength | BS EN ISO 8067:2008 Method B | N/m | 1254 |
| Shore Hardness 00 Scale | BS EN ISO 868:2003 | | 50 |
| Recommended maximum operating temperature* | Internal | °C | 95 |
| Flammability Automotive | FMVSS.302 – Burn Rate | <100mm/min. | Pass at 13mm |
| Water Absorption | ISO 2896:2001 Ed3 | % | <1 |
| Thermal Conductivity Mean temperature 10°C | ISO 8031:1991 | W/mK | 0.036 |

*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 dependent on a number of system variables such as, sample dimensions, cell size, loading conditions and exposure period.

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any particular application. All data relating to suitable uses and descriptions information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The company holds no legal or contractual responsibility for information supplied.

Convertors and suppliers of die cut gaskets, tape, sheeting, fabrications, machined plastic components, rubber mouldings, extrusions and adhesives.



Grade

- Plastazote® – LD24FR

Description

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

Physical

| PROPERTY | TEST METHOD | UNITS | TYPICAL VALUE |
|--|---|-------------------|------------------------------------|
| Density skin/skin | BS EN ISO 7214:2012 | Kg/m ³ | 24 (nominal) |
| Cell Size (Cell Diameter) | Internal | mm | 0.3 |
| Compression Stress – Strain 25% compression 50% compression | BS EN ISO 7214:2012 25mm cell-cell | kPa | 52 116 |
| Tensile Strength Tensile Elongation | BS EN ISO 7214:2012 | kPa % | 253 101 |
| Flammability Aviation | CS 25.853 App. F 1a 1ii FAR 25.853 App. F 1a 1ii | - | 12 second test Pass at 3 & 12mm |
| Flammability UL94 | UL94 Ed.6 | - | HF1 Min thickness 3mm |
| Compression Set 25% comp., 22hr, 23°C ½ hr recovery 24 hr recovery | BS EN ISO 7214:2012 25mm cell-cell | % set | 13 6 |
| Tear Strength | BS EN ISO 8067:2008 Method B | N/m | 1080 |
| Shore Hardness 00 Scale | BS EN ISO 868:2003 | - | 52 |
| Recommended maximum operating temperature* | Internal | °C | 90 |
| Water Absorption | ISO 2896:2001 Ed3 | % | <1 |
| Thermal Conductivity Mean temperature 10°C | ISO 8031:1991 | W/mK | 0.034 |

*Recommended maximum operating temperature

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