

PLASTAZOTE® LD50 CN

Premium Durable Foams

Plastazote® lightweight, crosslinked polyethylene block foams are manufactured using Zotefoams unique autoclave technology to satisfy a wide range of applications across multiple industries.

TYPICAL VALUES

The values provided represent data gathered from random samples of our production of the foam and should be considered as guidance for selecting a suitable grade for a given application. This does not constitute a specification.

| PROPERTY | TEST STANDARD | UNITS | TYPICAL VALUE |
|--|----------------------|-------------------|-----------------|
| Apparent Density Skin/Skin | ISO 7214:2012 | kg/m ³ | (nominal) 50 |
| Cell Size (Cell Diameter) | Internal | mm | 0.8 |
| Compression Stress-Strain | | | |
| 25% Compression | ISO 7214:2012 | kPa | 142 |
| 50% Compression | | | 217 |
| Tensile Strength | ISO 7214:2012 | kPa | 554 |
| Tensile Elongation | | % | 54 |
| Electrical Conductance Volumetric Resistivity | ASTM D991-89 (R2014) | Ω.cm | 2078 |
| Compression Set | | | |
| 25% Comp./22 Hour/23°C | ISO 7214:2012 | % set | 8 |
| ½ Hour Recovery | | | 4 |
| 24 Hour Recovery | | | 4 |
| Shore Hardness | ISO 868:2003 | | |
| OO Scale | | | 70 |
| Recommended Maximum Operating Temperature* | Internal | °C | 100 |

*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 temperature is dependent on several system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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