

# PLASTAZOTE® HD30

## High Density Polyethylene Foam

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

### TYPICAL VALUES

The values provided in this product information represent data gathered from random samples of our production of **Plastazote® HD30** 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 |
|---|---------------------------|-------------------|---------------|
| <b>Apparent Density</b>                           | ISO 7214:2012             | kg/m <sup>3</sup> | (nominal)     |
| Skin/Skin   |                           |                   | 30            |
| <b>Cell Size (Cell Diameter)</b>                  | Internal                  | mm                | 0.4           |
| <b>Compression Stress-Strain</b>                  | ISO 7214:2012             | kPa               |               |
| 25% Compression                                   |                           |                   | 144           |
| 50% Compression                                   |                           |                   | 215           |
| <b>Tensile Strength</b>                           | ISO 7214:2012             | kPa               | 967           |
| <b>Tensile Elongation</b>                         |                           | %                 | 74            |
| <b>Flammability Automotive</b>                    | FMVSS.302 – Burn rate     | <100mm/min.       | Pass at 8mm   |
| <b>Compression Set</b>                            | ISO 7214:2012             | % set             |               |
| 25% Comp./22 Hour/23°C                            |                           |                   |               |
| ½ Hour Recovery                                   |                           |                   | 13            |
| 24 Hour Recovery                                  |                           |                   | 7             |
| <b>Tear Strength</b>                              | ISO 8067:2008<br>Method B | N/m               | 3582          |
| <b>Shore Hardness</b>                             | ISO 868:2003              |                   | 72            |
| OO Scale  |                           |                   |               |
| <b>Recommended Maximum Operating Temperature*</b> | Internal                  | °C                | 125           |
| <b>Water Absorption</b>                           | ISO 2896:2001 Ed3.        | %                 | <2            |

\*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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