

# Plastazote® LD27

## Low Density Polyethylene Foam

**AZOTE®**

### 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® LD27** 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.

This product is not designed for thermoforming applications.

Property	Test Standard	Units	Typical Value
<b>Apparent Density</b> Skin/Skin	BS EN ISO 7214:2012	kg/m <sup>3</sup>	(nominal) 27
<b>Cell Size</b> (cell diameter)	Internal	mm	0.8
<b>Compression Stress-Strain</b>			
25% compression	BS EN ISO 7214:2012	kPa	52
50% compression	25mm cell-cell		114
<b>Tensile Strength</b>	BS EN ISO 7214:2012	kPa	295
<b>Tensile Elongation</b>		%	111
<b>Recommended maximum operating temperature*</b>	Internal	°C	90

\* 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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