

# PLASTAZOTE® LD18

## 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
<b>Apparent Density</b> Skin/Skin	ISO 7214:2012	kg/m <sup>3</sup>	(nominal) 18
<b>Cell Size (Cell Diameter)</b>	Internal	mm	0.8
<b>Compression Stress-Strain</b>			
25% Compression	ISO 7214:2012	kPa	50
50% Compression			112
<b>Tensile Strength</b>	ISO 7214:2012	kPa	298
<b>Tensile Elongation</b>		%	112
<b>Flammability Automotive</b>	FMVSS.302 – Burn rate	<100mm/min.	Pass at 13mm
<b>Compression Set</b>			
25% Comp./22 Hour/23°C	ISO 7214:2012	% set	11
½ Hour Recovery			4
24 Hour Recovery			
<b>Tear Strength</b>	ISO 8067:2008 Method B	N/m	1317
<b>Shore Hardness</b>			
OO Scale	ISO 868:2003		50
<b>Recommended Maximum Operating Temperature*</b>	Internal	°C	95
<b>Thermal Conductivity</b> Mean Temperature 10°C	ISO 8301:1991	W/mK	0.039

\*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.

## EXCLUSION OF LIABILITY

Any information contained in this document is, to the best of the knowledge and belief of Zotefoams UK, Zotefoams Poland and Zotefoams USA, (together herein referred to as ZOTEFOAMS), accurate. Any liability on the part of ZOTEFOAMS or any subsidiary or holding company of ZOTEFOAMS for any loss, damage, costs or expenses directly or indirectly arising out of the use of such information or the use, application, adaptation or processing of any goods, materials or products described herein is, save as provided in ZOTEFOAMS' conditions of sale ("Conditions of Sale"), hereby excluded to the fullest extent permitted by law.

Where ZOTEFOAMS' goods or materials are to be used in conjunction with other goods or materials, it is the responsibility of the user to obtain from the manufacturers or suppliers of the other goods or materials all technical data and other properties relating to those other goods or materials. Save as provided in the Conditions of Sale no liability can be accepted in respect of the use of ZOTEFOAMS' goods or materials in conjunction with any other goods or materials.

Where ZOTEFOAMS' goods or materials are likely to come into contact with foodstuffs or pharmaceuticals, whether directly or indirectly, or are likely to be used in the manufacture of toys, prior written confirmation of compliance with relevant legislative or regulatory standards for those applications may be requested from ZOTEFOAMS, if appropriate. Save as provided in the Conditions of Sale no liability can be accepted for any damage, loss or injury directly or indirectly arising out of any failure by the user to obtain such confirmation or to observe any recommendations given by or on behalf of ZOTEFOAMS.

ZOTEFOAMS MAKES NO WARRANTIES EXPRESS OR IMPLIED, EXCEPT TO THE EXTENT SET OUT IN THE CONDITIONS OF SALE, AND HEREBY SPECIFICALLY EXCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ANY GOODS, MATERIALS OR PRODUCTS DESCRIBED HEREIN.

For details on Zotefoams Management Systems, please visit [www.zotefoams.com](http://www.zotefoams.com)

**Zotefoams UK**  
675 Mitcham Road  
Croydon, Surrey CR9 3AL  
United Kingdom  
**Tel:** +44 (0) 20 8664 1600  
**Email:** [hello@zotefoams.com](mailto:hello@zotefoams.com)

**Zotefoams Poland**  
**SP z.o.o.**  
Parkowa 26  
49-318 Skarbimierz,  
Osiedle

**Zotefoams Inc.**  
55 Precision Drive  
Walton KY, 41094 USA  
**Tel:** +1 859 371 4025  
**Free:** (800) 362-8358 (US Only)

If you would like more information  
email: [hello@zotefoams.com](mailto:hello@zotefoams.com)  
or visit our website  
[www.zotefoams.com](http://www.zotefoams.com)

**AZOTE®** / **ZOTEK®** / **ECOZOTE®** / **T-FIT®**

