

Plastazote® MP15EB40

Flame-Retarded 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® MP15EB40** 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
Apparent Density Skin/Skin	BS EN ISO 7214:2012	kg/m ³	(nominal) 15
Cell Size (cell diameter)	Internal	mm	>0.5
Compression Stress-Strain			
25% compression	BS EN ISO 7214:2012	kPa	>33
50% compression	25mm cell-cell		>88
Tensile Strength	BS EN ISO 7214:2012	kPa	>228
Tensile Elongation		%	>115
Flammability	EN 13501:2018 + A1:2014		B, s2, d0
Construction – Euroclass			2- 40 mm
Compression Set			
25% comp. / 22hr / 23°C			
½ hr recovery	BS EN ISO 7214:2012	% set	<17
24 hr recovery	25mm cell-cell		<6
Tear Strength	BS EN ISO 8067:2008 Method B	N/m	>1239
Shore Hardness	BS EN ISO 868:2003	Shore OO	42
Water Absorption	ISO 2896:2001 Ed3.	%	<2
Thermal Conductivity Mean temperature 10°C	ISO 8301:1991	W/mK	0.037
Recommended maximum operating temperature*	Internal	°C	75

* 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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Safety
OHS 52538
OHSAS 18001 2007



Environment
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ZOTEFOAMS plc

675 Mitcham Road
Croydon
Surrey
CR9 3AL
United Kingdom

Tel: +44 (0) 20 8664 1600
Fax: +44 (0) 20 8664 1616
Email: info@zotefoams.com

ZOTEFOAMS inc

55 Precision Drive
Walton
Kentucky
41094
USA

Tel: +1 859 371
Freephone: (800) 362 8358 US only
Fax: +1 859 371 4734

ZOTEFOAMS SP z.o.o.

Ul. Parkowa 26
49-318 Skarbimierz
Osiedle
Poland

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