

TDS Technical Data Sheet



Specifications	Method	Value	Unit
Apparent Density			
Skin/skin	BS EN ISO 7214:2012	50	kg/m ³
Cell Size (Cell Diameter)	Internal	0.4	mm
Compression Stress-Strain	BS EN ISO 7214:2012		
25% compression	25 mm cell-cell	50	kPa
50% compression		116	kPa
Tensile Strength	BS EN ISO 7214:2012	749	kPa
Tensile Elongation	BS EN ISO 7214:2012	243	%
Compression Set	BS EN ISO 7214:2012		
25% comp., 22hr, 23°C	25 mm cell-cell		
½ hr recovery		9	% set
24 hr recovery		2	% set
Tear Strength	BS EN ISO 8067:2008	2880	N/m
	Method B		
Shore Hardness	BS EN ISO 868:2003	46	Shore 00
Recommended maximum operating temperature	Internal	65	°C
Water absorption	ISO 2896:2001 Ed3.	<1	%

Evazote® is a closed cell, cross-linked ethylene vinyl acetate copolymer 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 Evazote® EV50 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.

*** 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 particular temperature is dependant on a number of 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 Special-Plast.

Any liability on the part of Special-Plast or any subsidiary or holding company of Special-Plast 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 Special-Plast conditions of sale ("Conditions of Sale"), hereby excluded to the fullest extent permitted by law.

Where Special-Plast' 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 Special-Plast' goods or materials in conjunction with any other goods or materials.

Where Special-Plast' 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 Special-Plast, 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 Special-Plast.

SPECIAL-PLAST 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.