

T-FIT[®] HVAC

T-FIT[®] INSULATION

Fit to perform. **Fit** to last

Product information

Typical Values

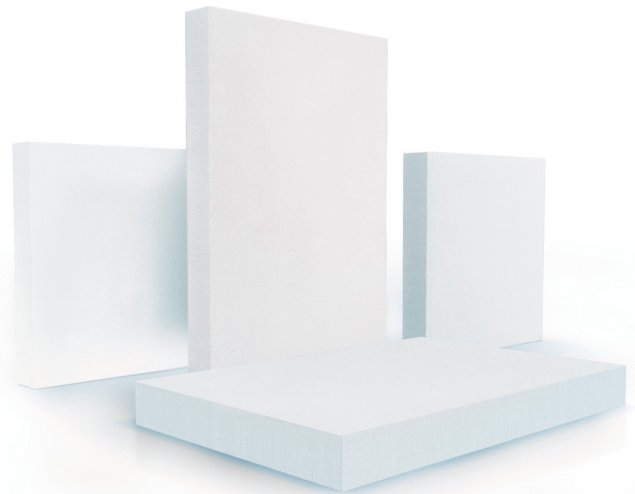
T-FIT[®] HVAC is manufactured from Zotefoams closed cell crosslinked PVDF foam and is **the best, longest lasting insulation solution** for HVAC equipment and component applications.

Made from ZOTEK[®] F 42 HT LS, T-FIT HVAC can be used for any HVAC equipment and component application. It offers market leading UV resistance and a service life far beyond that of the HVAC unit. T-FIT HVAC can be cut into any shape so will fit into any unit. With excellent flammability credentials, it has long-proven history working with a major humidification system manufacturer. T-FIT HVAC is the only material able to withstand their operating conditions of 100°C & high humidity (steam) making it the best-in-class insulation solution for all HVAC equipment and component applications.

With excellent flammability credentials, it is the only closed cell crosslinked PVDF foam that meets the criteria for all leading flammability methodologies.

No other material that is UL 723 certified can withstand these conditions.

ZOTEK[®] F 42 HT LS is a closed cell foam with a density of 38 kg/m³ made from polyvinylidene fluoride supplied in sheet form. This grade is recommended for applications where very low smoke (LS) release is specified in the event of a fire. It performs exceptionally well under harsh conditions such as high temperature, high humidity and has excellent resistance to UV exposure.



Property	Test Standard	Typical Value
Apparent Density	BS EN ISO 7214:2012	38 kg/m ³ (2.4 pcf)
Tensile Strength		670 kPa (97 psi)
Tensile Elongation	BS EN ISO 7214	115%
Tear Strength	ISO 8067-A	740 N/m (4.23 lbf/in)
Service Temperature	See Notes Below*	-80°C to +160°C (-112°F to + 320 °F)
Thermal Conductivity		
Mean temperature of 0°C (32 °F)		0.0314 W/m.K (0.22 Btu.in/h.ft ² °F)
Mean temperature of 25°C (77 °F)	ISO 8301	0.0347 W/m.K (0.24 Btu.in/h.ft ² °F)
Mean temperature of 80°C (176°F)		0.0434 W/m.K (0.30 Btu.in/h.ft ² °F)
Fire certification		
Euroclass	EN13501-1	B - s1, d0
UL723 / ASTM E84	Flaming Spread Index @ 3 mm (1/8")	0
	Smoke Developed Index @ 3 mm (1/2")	0
Water Vapour Transmission	ISO 1663	6500, μ Value
Outgassing	VDI 2083-P17	8.86 μg/g (ppm)
ISO-AMC class	ISO 14644-8**	-10
Fungus Resistance	ASTM G21-15	Full test complete No signs after 28 days
UV resistance	See Notes Below**	<4% change in tensile strength

* These are extreme temperatures. For continuous use or advice on product specification with respect to condensation control please contact your local T-FIT® representative
 ** Based on tensile tests performed before and after 600h accelerated UV exposure. For more information please contact your local T-FIT® representative.

Exclusion of Liability

Any information contained in this document is, to the best of the knowledge and belief of Zotefoams plc and of Zotefoams Inc. (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.

Zotefoams plc Management systems are covered by the following:



Zotefoams plc
 675 Mitcham Road
 Croydon, Surrey
 CR9 3AL, United Kingdom
 Tel: +44 (0) 20 8664 1600
 Email: t-fitsales@zotefoams.com

T-FIT Insulation Solutions India Private Limited
 810 Shapath V, S.G. Highway
 Ahmedabad, Gujarat, 380015
 Tel: +91 (0) 7433946464
 Email: t-fitindia@zotefoams.com

Zotefoams T-FIT Material Technology (Kunshan) Co., Ltd
 181 Huanlou Road, Development Zone,
 Kunshan City, Jiangsu Pr. China 215333
 Tel: +86 (0) 512 5012 6001-8001
 Email: t-fitchina@zotefoams.com

Zotefoams Inc.
 55 Precision Drive
 Walton KY, 41094 USA
 Tel: +1 (0) 859 371 4025
 Free: (800) 362-8358 (US Only)
 Email: t-fitusa@zotefoams.com

T-FIT® and ZOTEK® are registered trademarks of Zotefoams plc. All rights reserved. Issue 1

If you would like more information visit t-fit.org/t-fit-hvac