

T-FIT[®] HVAC

T-FIT[®] INSULATION

Fit to perform. Fit to last

Product information

Typical Values

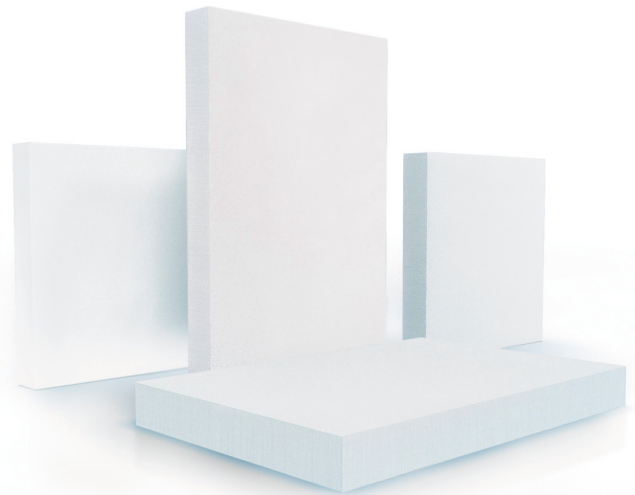
T-FIT[®] HVAC is manufactured from Zotefoams closed cell crosslinked PVDF foam and is **the best, longest lasting insulation solution** for HVAC equipment and component applications.

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 @ 6.35 mm (1/4")	0
	Smoke Developed Index @ 6.35 mm (1/4")	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.

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Zotefoams plc Management systems are covered by the following:



Quality
FM 01570
ISO 9001:2015



Safety
OHS 52538
ISO 45001: 2018



Environment
EMS 36270
ISO 14001:2015

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