



Modular cleanroom insulation

Moulded from Zotefoams
ZOTEK® F high-performance
PVDF foam, T-FIT Clean is the
leading insulation tailored for
clean room environments in
pharmaceutical, semiconductor
and highly controlled
production industries.





What makes T-FIT Clean unique?

Advanced Technology



T-FIT® Insulation inherits the unique properties built into Zotefoams close cell foams. Particulate-, dust-, fibre-free and almost zero VOCs, inherently hydrophobic and highly resistant to fungal and mould growth providing exceptional performance in any environment.

Wide Temperature Range



Suitable for both chilled and hot processing applications with an operating range of -80°C to +160°C (effective up to 158°C at 5 bar steam pressure).

Easy Installation & Maintenance



Designed for fast, tool-free installation, including products that insulate straight runs, elbows, tee's, valves and other typical pipeline equipment, all within an ultra slim 6.35mm profile

Workforce Friendly



All T-FIT® products provide excellent protection from hot pipework for clothing, skin and equipment. No harmful chemicals or particles are given off during installation or throughout the products long term use.

Leading Fire Safety Credentials



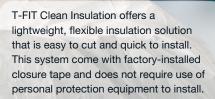
The only foam compliant with the FM4910 Global Cleanroom Materials Protocol. With an ASTM E84 independently tested by UL (to their UL723 certification) rating of 0/0 for surface burning of materials, T-FIT Clean delivers the lowest flame, smoke and toxicity rating of any polymer/elastomer insulating product.

Environmentally Friendly



Market leading durability with 10-year refit intervals. Once installed, T-FIT is there to stay. No more regular 'stop-remove-dispose' refits with all the associated waste. Providing a low lifetime cost of ownership.

Installation made simple



The supplied tapes, sealant, and adhesives facilitate the creation of tight, water vapor-resistant joints swiftly and easily, a crucial aspect for low-temperature applications where effective condensation control is imperative.

As a completely insulation solution T-FIT Clean also has a comprehensive range of fabricated insulation boxes to fit frequently used valves and flanges.





FOR THE MOST DEMANDING CLEANROOM AND MANUFACTURING ENVIRONMENTS

T-FIT® Clean insulation is engineered to excel in the harshest cleanroom and manufacturing conditions. With fire-retardant, moisture, and bacteria-resistant properties, it meets the strictest international standards. From -80°C to +160°C, T-FIT Clean handles both chilled and hot processing applications with ease. Its ultra-slim profile ensures high performance even in tight spaces, while its robust design guarantees fast, tool-free installation and long maintenance-free service life.

T-FIT® Clean offers the lowest flame, smoke, and toxicity ratings of any polymer/elastomer insulation.
Trust T-FIT® Clean for the cleanest, safest, and most cost-effective insulation solution available for a long maintenance free service life.











Product Specification

T-FIT® Clean is manufactured from Zotefoams ZOTEK® F42 HT LS fine, closed cell foam, the only foam product to be specification tested to FM4910 Clean Room Materials Protocol. The values provided in this brochure represent data gathered from random samples of our production of Zotek F42HTLS (from which T-FIT Clean is produced). These are given to the best of our knowledge and should be considered as guidance only for selecting a suitable grade for a given application.

Typical Values

	Property	Test Standar	d	Ту	pical Valu	ie	
	Material	Manufactured from an FDA-compliant resin					
	Service Temperature	*See Notes Be	elow) +160 °C to + 320 °F)	
	Thermal Conductivity Mean temperature of 0 °C (32 °F) Mean temperature of 25 °C (77 °F) Mean temperature of 80 °C (176 °F)	ISO 8301			0.0347 V	V/m.K (0.24	Btu.in/h.ft2 °F) Btu.in/h.ft2 °F) Btu.in/h.ft2 °F)
	Fire Certification Euroclass UL723 / ASTM E84	EN13501-1 Material Thickness Flaming Spread Index Smoke Developed Index		B - s1, d0 6.25mm (1/4") 0			
	AS 1530	Gauge mm 5 25	Ignitability 0 0	Spread of 0	flame He	at Evolved 0 0	Smoke Dev 1 0/1
	Water Vapour Transmission	ISO 1663			6500, µ V	'alue	
0000	Outgassing ISO-AMC class	VDI 2083-P17 ISO 14644-8**			17.95µg/(-10	9	
	Fungus Resistance	ASTM G21-15	5		Full test c No signs	omplete after 28 days	6
	Leachable lons	ASTM C-871			Pass		
	Factory Mutual 4910 Cleanroom Mate	rials Flammabi	lity Test Pro	tocol	Specificat	ion tested	

- * This information is based on internal testing. For continuous use or advice on product specification with respect to condensation control or temperatures below -80°c, please contact your local T-FIT® representative.
- ** Based on independent testing and commentary, full report available on request.







Product Code	Compatible with Pipe outer diameter inches mm			Product Code	Compatible with Pipe outer diameter inches mm		
With tape				No tape			
ZAFCK99930	ASME BPE	0.25	6.35	ZAFCK99930-NT	ASME BPE	0.25"	6.35
ZAFCK06381	ASME BPE	0.375	9.53	ZAFCK06381-NT	ASME BPE	0.375"	9.53
ZAFCK06382	ASME BPE	0.5	12.70	ZAFCK06382-NT	ASME BPE	0.5"	12.70
ZAFCK06383	ASME BPE	0.75	19.05	ZAFCK06383-NT	ASME BPE	0.75"	19.05
ZAFCK06384	ASME BPE	1.0	25.40	ZAFCK06384-NT	ASME BPE	1.0"	25.40
ZAFCK06385	ASME BPE	1.5"	38.10	ZAFCK06385-NT	ASME BPE	1.5"	38.10
ZAFCK06386	ASME BPE	2.0"	50.80	ZAFCK06386-NT	ASME BPE	2.0"	50.80
ZAFCK06387	ASME BPE	2.5"	63.50	ZAFCK06387-NT	ASME BPE	2.5"	63.50
ZAFCK06388	ASME BPE	3.0"	76.20	ZAFCK06388-NT	ASME BPE	3.0"	76.20
ZAFCK06787	ASME BPE	3.5"	88.90	ZAFCK06522-NT	ASME BPE)	4.0"	101.60
ZAFCK06522	ASME BPE	4.0"	101.6 0				
With tape				No tape			
ZAFCK06381-D	DIN 11850	DN8	10.00	ZAFCK06381-D-NT	DIN 11850	DN8	10.00
ZAFCK06382-D	DIN 11850	DN10	13.00	ZAFCK06382-D-NT	DIN 11850	DN10	13.00
ZAFCK06383-D	DIN 11850	DN15	19.00	ZAFCK06383-D-NT	DIN 11850	DN15	19.00
ZAFCK06888	DIN 11850	DN20	23.00	ZAFCK06888-NT	DIN 11850	DN20	23.00
ZAFCK06889	DIN 11850	DN25	29.00	ZAFCK06889-NT	DIN 11850	DN25	29.00
ZAFCK06890	DIN 11850	DN32	35.00	ZAFCK06890-NT	DIN 11850	DN32	35.00
ZAFCK06503-D	DIN 11850	DN40	41.00	ZAFCK06503-D-NT	DIN 11850	DN32	35.00
ZAFCK06891	DIN 11850	DN50	53.00	ZAFCK06891-NT	DIN 11850	DN50	53.00
ZAFCK06297	DIN 11850	DN65	70.00	ZAFCK06297-NT	DIN 11850	DN65	70.00
ZAFCK06892	DIN 11850	DN80	85.0 0	ZAFCK06892-NT	DIN 11850	DN80	85.00
ZAFCK06893	DIN 11850	DN100	104.00				
With tape				No tape			
ZAFCK06381-EU	ISO 1127	DN 6	10.20	ZAFCK06381-EU-NT	ISO 1127	DN6	10.20
ZAFCK06382-EU	ISO 1127	DN 8	13.50	ZAFCK06382-EU-NT	ISO 1127	DN8	13.50
ZAFCK06500	ISO 1127	DN 10	17.20	ZAFCK06500-NT	ISO 1127	DN10	17.20
ZAFCK06501	ISO 1127	DN 15	21.30	ZAFCK06501-NT	ISO 1127	DN15	21.30
ZAFCK06502	ISO 1127	DN 20	26.90	ZAFCK06502-NT	ISO 1127	DN20	26.90
ZAFCK06457	ISO 1127	DN25	33.70	ZAFCK06457-NT	ISO 1127	DN25	33.70
ZAFCK06503	ISO 1127	DN32	42.40	ZAFCK06503-NT	ISO 1127	DN32	42.40
ZAFCK06564	ISO 1127	DN40	48.30	ZAFCK06564-NT	ISO 1127	DN40	48.30
ZAFCK06835	ISO 1127	DN50	60.30	ZAFCK06835-NT	ISO 1127	DN50	60.30
ZAFCK06388-EU	ISO 1127	DN65	76.10	ZAFCK06388-EU-NT	ISO 1127	DN65	76.10
ZAFCK06525	ISO 1127	DN80	88.90	ZAFCK06525-NT	ISO 1127	DN80	88.90





Product Code	Compatible with Pipe outer diameter inches mm			Product Code	Compatible with Pipe outer diameter inches mm			
ZAFCK05880	ASME BPE	0.375"	9.53	ZAFCK05900	ASME BPE	0.375"	9.53	
ZAFCK05814	ASME BPE	0.5"	12.70	ZAFCK05743	ASME BPE	0.5"	12.70	
ZAFCK05815	ASME BPE	0.75"	19.05	ZAFCK05744	ASME BPE	0.75"	19.05	
ZAFCK05816	ASME BPE	1.0	25.40	ZAFCK05745	ASME BPE	1.0"	25.40	
ZAFCK05615	ASME BPE	1.5"	38.10	ZAFCK05746	ASME BPE	1.5"	38.10	
ZAFCK05616	ASME BPE	2.0"	50.80	ZAFCK05747	ASME BPE	2.0"	50.80	
ZAFCK05898	ASME BPE	2.5"	63.50	ZAFCK05901	ASME BPE	2.5"	63.50	
ZAFCK05899	ASME BPE	3.0"	76.20	ZAFCK05902	ASME BPE	3.0"	76.20	
ZAFCK06878	ASME BPE	3.5"	88.90	0000	7.6.W.E	0.0	. 0.20	
ZAFCK06523	ASME BPE	4.0"	101.60					
ZAFCK05880-EU	ISO 1127	DN6	10.20	ZAFCK05900-EU	ISO 1127	DN6	10.20	
ZAFCK05814-EU	ISO 1127	DN8	13.50	ZAFCK05743-EU	ISO 1127	DN8	13.50	
ZAFCK06512	ISO 1127	DN10	17.20	ZAFCK06506	ISO 1127	DN10	17.20	
ZAFCK06513	ISO 1127	DN15	21.30	ZAFCK06507	ISO 1127	DN15	21.30	
ZAFCK06582	ISO 1127	DN20	26.90	ZAFCK06583	ISO 1127	DN20	26.90	
ZAFCK06515	ISO 1127	DN25	33.70	ZAFCK06508	ISO 1127	DN25	33.70	
ZAFCK06516	ISO 1127	DN32	42.40	ZAFCK06509	ISO 1127	DN32	42.40	
ZAFCK06517	ISO 1127	DN40	48.30	ZAFCK06510	ISO 1127	DN40	48.30	
ZAFCK06518	ISO 1127	DN50	60.30	ZAFCK06511	ISO 1127	DN50	60.30	
ZAFCK05899-EU	ISO 1127	DN65	76.10	ZAFCK05902-EU	ISO 1127	DN65	76.10	
ZAFCK06816	ISO1127	DN80	88.90					
ZAFCK05880-D	DIN 11850	DN8	10.00	ZAFCK05743-D	DIN 11850	DN10	13.00	
ZAFCK05814-D	DIN 11850	DN10	13.00	ZAFCK05744-D	DIN 11850	DN15	19.00	
ZAFCK05815-D	DIN 11850	DN15	19.00	ZAFCK06509-D	DIN 11850	DN40	41.00	
ZAFCK06874	DIN 11850	DN20	23.00	ZAFCK05900-D	DIN 11850	DN8	10.00	
ZAFCK06875	DIN 11850	DN25	29.00	ZAFCK06879	DIN 11850	DN20	23.00	
ZAFCK06876	DIN 11850	DN32	35.00	ZAFCK06880	DIN 11850	DN25	29.00	
ZAFCK06516-D	DIN 11850	DN40	41.00	ZAFCK06881	DIN 11850	DN32	35.00	
ZAFCK06877	DIN 11850	DN50	53.00	ZAFCK06882	DIN 11850	DN50	53.00	
ZAFCK05238	DIN 11850	DN65	70.00	ZAFCK06883	DIN 11850	DN65	70.00	
ZAFC06878-D	DIN 11850	DN80	85.00					



For the cleanest, safest, and most cost-effective insulation, choose **T-FIT®** Clean





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Quality FM 01870







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The only insulation solution that meets internationally recognised cleanroom standards



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