

T-FIT[®] CLEAN

Unique Insulation Technology

T-FIT[®]

Product information

Typical Values

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 products are produced and supplied according to EN 14304-201-03.

The values provided in this Product Information Sheet represent data gathered from random samples of our production of **T-FIT[®] Clean** foam and represent typical data. 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.



Property	Test Standard	Typical Value
Material		Manufactured from an FDA Compliant Kynar [®] based resin
Service Temperature	See Notes Below*	-80 °C to +160 °C (-112 °F to + 320 °F)
Thermal Conductivity		
Mean temperature of 0 °C (32 °F)	ISO 8301	0.0314 W/m.K (0.22 Btu.in/h.ft ² °F)
Mean temperature of 25 °C (77 °F)		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 @ 25mm (1")	5
	Smoke Developed Index @ 25mm (1")	45
Water Vapour Transmission	ISO 1663	6500, μ Value
Outgassing	VDI 2083-P17	8.86 μg/g (ppm)
Fungus Resistance	ASTM G21-15	Full test complete No signs after 28 days
Factory Mutual 4910 Cleanroom Materials Flammability Test Protocol		Specification Tested

* These are extreme temperatures. For continuous use or advice on product specification with respect to condensation control please contact your local T-FIT[®] representative

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Product Code	Description: T-FIT Clean – ASME BPE	Insulation Sizing ID		Product Type
		in	mm	
ZAFCK99930	ASME BPE 0.25" OD 6.35mm T-FIT Clean Insulating Straight 6.35mm THK	0.25"	6.35	Straight
ZAFCK06381	ASME BPE 0.375" OD 9.53mm T-FIT Clean Insulating Straight 6.35mm THK	0.375"	9.53	Straight
ZAFCK06382	ASME BPE 0.5" OD 12.70mm T-FIT Clean Insulating Straight 6.35mm THK	0.5"	12.70	Straight
ZAFCK06383	ASME BPE 0.75" OD 19.05mm T-FIT Clean Insulating Straight 6.35mm THK	0.75"	19.05	Straight
ZAFCK06384	ASME BPE 1.0" OD 25.40mm T-FIT Clean Insulating Straight 6.35mm THK	1.0"	25.40	Straight
ZAFCK06385	ASME BPE 1.5" OD 38.10mm T-FIT Clean Insulating Straight 6.35mm THK	1.5"	38.10	Straight
ZAFCK06386	ASME BPE 2.0" OD 50.8mm T-FIT Clean Insulating Straight 6.35mm THK	2.0"	50.80	Straight
ZAFCK06387	ASME BPE 2.5" OD 63.50mm T-FIT Clean Insulating Straight 6.35mm THK	2.5"	63.50	Straight
ZAFCK06388	ASME BPE 3.0" OD 76.20mm T-FIT Clean Insulating Straight 6.35mm THK	3.0"	76.20	Straight
ZAFCK06787	ASME BPE 3.5" OD 88.90mm T-FIT Clean Insulating Straight 6.35mm THK	3.5"	88.90	Straight
ZAFCK06522	ASME BPE 4.0" OD 101.6mm T-FIT Clean Insulating Straight 6.35mm THK	4.0"	101.60	Straight
ZAFCK99930	ASME BPE 0.25" OD 6.35mm T-FIT Clean Insulating Straight 6.35mm THK	0.25"	6.35	Straight
ZAFCK99930-NT	ASME BPE 0.25" OD 6.35mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	0.25"	6.35	Straight
ZAFCK06381-NT	ASME BPE 0.375" OD 9.53mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	0.375"	9.53	Straight
ZAFCK06382-NT	ASME BPE 0.5" OD 12.70mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	0.5"	12.70	Straight
ZAFCK06383-NT	ASME BPE 0.75" OD 19.05mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	0.75"	19.05	Straight
ZAFCK06384-NT	ASME BPE 1.0" OD 25.40mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	1.0"	25.40	Straight
ZAFCK06385-NT	ASME BPE 1.5" OD 38.10mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	1.5"	38.10	Straight
ZAFCK06386-NT	ASME BPE 2.0" OD 50.8mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	2.0"	50.80	Straight
ZAFCK05880	ASME BPE 0.375" OD 9.53mm T-FIT Clean Insulating Elbow 6.35mm THK	0.375"	9.53	Elbow
ZAFCK05814	ASME BPE 0.5" OD 12.70mm T-FIT Clean Insulating Elbow 6.35mm THK	0.5"	12.70	Elbow
ZAFCK05815	ASME BPE 0.75" OD 19.05mm T-FIT Clean Insulating Elbow 6.35mm THK	0.75"	19.05	Elbow
ZAFCK05816	ASME BPE 1.0" OD 25.40mm T-FIT Clean Insulating Elbow 6.35mm THK	1.0"	25.40	Elbow
ZAFCK05615	ASME BPE 1.5" OD 38.10mm T-FIT Clean Insulating Elbow 6.35mm THK	1.5"	38.10	Elbow
ZAFCK05616	ASME BPE 2.0" OD 50.80mm T-FIT Clean Insulating Elbow 6.35mm THK	2.0"	50.80	Elbow
ZAFCK05898	ASME BPE 2.5" OD 63.50mm T-FIT Clean Insulating Elbow 6.35mm THK	2.5"	63.50	Elbow
ZAFCK05899	ASME BPE 3.0" OD 76.20mm T-FIT Clean Insulating Elbow 6.35mm THK	3.0"	76.20	Elbow
ZAFCK06878	ASME BPE 3.5" OD 88.90mm T-FIT Clean Insulating Elbow 6.35mm THK	3.5"	88.90	Elbow
ZAFCK06523	ASME BPE 4.0" OD 101.6mm T-FIT Clean Insulating Elbow 6.35mm THK	4.0"	101.60	Elbow
ZAFCK05900	ASME BPE 0.375" OD 9.53mm T-FIT Clean Insulating Tee 6.35mm THK	0.375"	9.53	Tee
ZAFCK05743	ASME BPE 0.5" OD 12.70mm T-FIT Clean Insulating Tee 6.35mm THK	0.5"	12.70	Tee
ZAFCK05744	ASME BPE 0.75" OD 19.05mm T-FIT Clean Insulating Tee 6.35mm THK	0.75"	19.05	Tee
ZAFCK05745	ASME BPE 1.0" OD 25.40mm T-FIT Clean Insulating Tee 6.35mm THK	1.0"	25.40	Tee
ZAFCK05746	ASME BPE 1.5" OD 38.10mm T-FIT Clean Insulating Tee 6.35mm THK	1.5"	38.10	Tee
ZAFCK05747	ASME BPE 2.0" OD 50.80mm T-FIT Clean Insulating Tee 6.35mm THK	2.0"	50.80	Tee
ZAFCK05901	ASME BPE 2.5" OD 63.50mm T-FIT Clean Insulating Tee 6.35mm THK	2.5"	63.50	Tee
ZAFCK05902	ASME BPE 3.0" OD 76.20mm T-FIT Clean Insulating Tee 6.35mm THK	3.0"	76.20	Tee

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Product Code	Description: T-FIT Clean – ISO 1127	Insulation Sizing ID in	ID mm	Product Type
ZAFCK06381-EU	ISO 1127 DN6 OD 10.2mm T-FIT Clean Insulating Straight 6.35mm THK	DN6	10.20	Straight
ZAFCK06382-EU	ISO 1127 DN8 OD 13.5mm T-FIT Clean Insulating Straight 6.35mm THK	DN8	13.50	Straight
ZAFCK06500	ISO 1127 DN10 OD 17.2mm T-FIT Clean Insulating Straight 6.35mm THK	DN10	17.20	Straight
ZAFCK06501	ISO 1127 DN15 OD 21.3mm T-FIT Clean Insulating Straight 6.35mm THK	DN15	21.30	Straight
ZAFCK06502	ISO 1127 DN20 OD 26.9mm T-FIT Clean Insulating Straight 6.35mm THK	DN20	26.90	Straight
ZAFCK06457	ISO 1127 DN25 OD 33.7mm T-FIT Clean Insulating Straight 6.35mm THK	DN25	33.70	Straight
ZAFCK06503	ISO 1127 DN32 OD 42.4mm T-FIT Clean Insulating Straight 6.35mm THK	DN32	42.40	Straight
ZAFCK06564	ISO 1127 DN40 OD 48.3mm T-FIT Clean Insulating Straight 6.35mm THK	DN40	48.30	Straight
ZAFCK06835	ISO 1127 DN50 OD 60.3mm T-FIT Clean Insulating Straight 6.35mm THK	DN50	60.30	Straight
ZAFCK06388-EU	ISO 1127 DN65 OD 76.1mm T-FIT Clean Insulating Straight 6.35mm THK	DN65	76.10	Straight
ZAFCK06525	ISO 1127 DN80 OD 88.9mm T-FIT Clean Insulating Straight 6.35mm THK	DN80	88.90	Straight
ZAFCK06381-EU-NT	ISO 1127 DN6 OD 10.2mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN6	10.20	Straight
ZAFCK06382-EU-NT	ISO 1127 DN8 OD 13.5mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN8	13.50	Straight
ZAFCK06500-NT	ISO 1127 DN10 OD 17.2mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN10	17.20	Straight
ZAFCK06501-NT	ISO 1127 DN15 OD 21.3mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN15	21.30	Straight
ZAFCK06502-NT	ISO 1127 DN20 OD 26.9mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN20	26.90	Straight
ZAFCK06457-NT	ISO 1127 DN25 OD 33.7mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN25	33.70	Straight
ZAFCK06503-NT	ISO 1127 DN32 OD 42.4mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN32	42.40	Straight
ZAFCK06564-NT	ISO 1127 DN40 OD 48.3mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN40	48.30	Straight
ZAFCK06835-NT	ISO 1127 DN50 OD 60.3mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN50	60.30	Straight
ZAFCK06388-EU-NT	ISO 1127 DN65 OD 76.1mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN65	76.10	Straight
ZAFCK06525-NT	ISO 1127 DN80 OD 88.9mm T-FIT Clean Insulating Straight 6.35mm THK (No Tape)	DN80	88.90	Straight
ZAFCK05880-EU	ISO 1127 DN6 OD 10.2mm T-FIT Clean Insulating Elbow 6.35mm THK	DN6	10.20	Elbow
ZAFCK05814-EU	ISO 1127 DN8 OD 13.5mm T-FIT Clean Insulating Elbow 6.35mm THK	DN8	13.50	Elbow
ZAFCK06512	ISO 1127 DN10 OD 17.2mm T-FIT Clean Insulating Elbow 6.35mm THK	DN10	17.20	Elbow
ZAFCK06513	ISO 1127 DN15 OD 21.3mm T-FIT Clean Insulating Elbow 6.35mm THK	DN15	21.30	Elbow
ZAFCK06582	ISO 1127 DN20 OD 26.9mm T-FIT Clean Insulating Elbow 6.35mm THK	DN20	26.90	Elbow
ZAFCK06515	ISO 1127 DN25 OD 33.7mm T-FIT Clean Insulating Elbow 6.35mm THK	DN25	33.70	Elbow
ZAFCK06516	ISO 1127 DN32 OD 42.4mm T-FIT Clean Insulating Elbow 6.35mm THK	DN32	42.40	Elbow
ZAFCK06517	ISO 1127 DN40 OD 48.3mm T-FIT Clean Insulating Elbow 6.35mm THK	DN40	48.30	Elbow
ZAFCK06518	ISO 1127 DN50 OD 60.3mm T-FIT Clean Insulating Elbow 6.35mm THK	DN50	60.30	Elbow
ZAFCK05899-EU	ISO 1127 DN65 OD 76.1mm T-FIT Clean Insulating Elbow 6.35mm THK	DN65	76.10	Elbow
ZAFCK06816	ISO 1127 3.0"NB OD 88.90mm T-FIT Clean Insulating Elbow 6.35mm THK	DN80	88.90	Elbow
ZAFCK05900-EU	ISO 1127 DN6 OD 10.2mm T-FIT Clean Insulating Tee 6.35mm THK	DN6	10.20	Tee
ZAFCK05743-EU	ISO 1127 DN8 OD 13.5mm T-FIT Clean Insulating Tee 6.35mm THK	DN8	13.50	Tee
ZAFCK06506	ISO 1127 DN10 OD 17.2mm T-FIT Clean Insulating Tee 6.35mm THK	DN10	17.20	Tee
ZAFCK06507	ISO 1127 DN15 OD 21.3mm T-FIT Clean Insulating Tee 6.35mm THK	DN15	21.30	Tee

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Product Code	Description: T-FIT Clean – DIN 11850	Insulation Sizing ID		Product Type
		in	mm	
ZAFCK06381-D	DIN 11850 DN8 OD 10.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN8	10.00	Straight
ZAFCK06382-D	DIN 11850 DN10 OD 13.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN10	13.00	Straight
ZAFCK06383-D	DIN 11850 DN15 OD 19.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN15	19.00	Straight
ZAFCK06888	DIN 11850 DN20 OD 23.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN20	23.00	Straight
ZAFCK06889	DIN 11850 DN25 OD 29.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN25	29.00	Straight
ZAFCK06890	DIN 11850 DN32 OD 35.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN32	35.00	Straight
ZAFCK06503-D	DIN 11850 DN40 OD 41.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN40	41.00	Straight
ZAFCK06891	DIN 11850 DN50 OD 53.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN50	53.00	Straight
ZAFCK06297	DIN 11850 DN65 OD 70.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN65	70.00	Straight
ZAFCK06892	DIN 11850 DN80 OD 85.00mm T-FIT Clean Insulating Straight 6.35mm THK	DN80	85.00	Straight
ZAFCK05880-D	DIN 11850 DN8 OD 10.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN8	10.00	Elbow
ZAFCK05814-D	DIN 11850 DN10 OD 13.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN10	13.00	Elbow
ZAFCK05815-D	DIN 11850 DN15 OD 19.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN15	19.00	Elbow
ZAFCK06874	DIN 11850 DN20 OD 23.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN20	23.00	Elbow
ZAFCK06875	DIN 11850 DN25 OD 29.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN25	29.00	Elbow
ZAFCK06876	DIN 11850 DN32 OD 35.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN32	35.00	Elbow
ZAFCK06516-D	DIN 11850 DN40 OD 41.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN40	41.00	Elbow
ZAFCK06877	DIN 11850 DN50 OD 53.00mm T-FIT Clean Insulating Elbow 6.35mm THK	DN50	53.00	Elbow
ZAFCK05743-D	DIN 11850 DN10 OD 13.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN10	13.00	Tee
ZAFCK05744-D	DIN 11850 DN15 OD 19.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN15	19.00	Tee
ZAFCK06509-D	DIN 11850 DN40 OD 41.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN40	41.00	Tee
ZAFCK05900-D	DIN 11850 DN8 OD 10.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN8	10.00	Tee
ZAFCK06879	DIN 11850 DN20 OD 23.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN20	23.00	Tee
ZAFCK06880	DIN 11850 DN25 OD 29.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN25	29.00	Tee
ZAFCK06881	DIN 11850 DN32 OD 35.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN32	35.00	Tee
ZAFCK06882	DIN 11850 DN50 OD 53.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN50	53.00	Tee
ZAFCK06883	DIN 11850 DN65 OD 70.00mm T-FIT Clean Insulating Tee 6.35mm THK	DN65	70.00	Tee

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Zotefoams plc Management systems are covered by the following:



Quality
FM 01870
ISO 9001:2015



Safety
OHS 52538
ISO 45001: 2018



Environment
EMS 36270
ISO 14001:2015

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