



## T-TUBES™ - ADVANCED INSULATION FOR CLEAN ENVIRONMENTS

Material	ZOTEK® F Kynar® PVDF based foam
Service Temperature	- 48°C (- 55°F) to 155°C (311°F)
Density ISO 845	36 Kg/m <sup>3</sup> (2.3pcf)
Thermal Conductivity ASTM C-518	k= 0.0317 W/mK @ 22°C (0.22 Btu in/ft <sup>2</sup> .hr.°F @ 72°F)
Compression ISO 7214	109 kPa (15.8 psi) @ 25% and 180 kPa (26.1 psi) @ 50%
Tensile Strength ISO 1798	586 kPa (85 psi)
Elongation ISO 1798a	66%
Tear Strength ISO 8067	876 N/m (5 lbf/in)
Standard method of test of surface burning characteristics of building materials ASTM E-84 / UL 723	Flame 5 / Smoke 5
Cell Size	0.17mm
Mould Growth ASTM G21-96	No sign after 28 days
Fungus Growth DO160D, Sec 13, Cat F	No sign after 28 days
Outgassing (Semiconductor Standards)	29.1µg/g (limit 1000µg/g)
Permeance	0.02 grains/hr
Factory Mutual 4924 Pipe Chase Flammability Standard	Approved
Factory Mutual 4910 Cleanroom Materials Test Protocol	Specification Test Listed / Compliant



ZOTEFOAMS

T-TUBES™

For more information, visit [www.zotefoams.com](http://www.zotefoams.com) and [www.t-tubes.com](http://www.t-tubes.com)

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