

ZOTEK® F74 HT

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® F74 HT is a closed cell, foam of density 70 kg/m³ made from poly vinylidene fluoride available in sheet form. The foam will thermoform into simple and complex shapes. This product information sheet provides typical values for the foam and does not constitute a specification.

THIS PROVISIONAL DOCUMENT IS BASED ON LIMITED BATCH DATA.

Property	Test Standard	Units	Typical Value
Apparent Density	BS EN ISO 7214:2012	kg/m ³ (pcf)	68 (4.25)
Cell/Cell			
Cell Size (cell diameter)	Internal	mm (in)	0.35 (0.01)
Compression Stress-Strain	BS EN ISO 7214:2012	kPa (psi)	250 (36)
25% compression	1 st Compression		
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	1200 (174)
Tensile Elongation		%	90
Compression Set	BS EN ISO 1856-C:2018	% set	10
50% comp. / 22hr / 23°C			
½ hr recovery			
Thermal Conductivity	ISO 8301	W/m.K	0.0373 (0.26)
Mean temperature of 37.8 °C (100 °F)		(Btu in/ft ² .hr.°F)	
Flammability			
Heat Release	FAR/CS 25.853 (d) App F Pt V		Pass at 6mm (1/4")
Smoke Density	FAR/CS 25.853 (d) App F Pt V		Pass at 6mm (1/4")
Smoke Density	ABD0031 para.7.3.2.		Pass at 6mm (1/4")
Toxic Gas Emission	ABD0031 para.7.4		Pass at 6mm (1/4")
Vertical Burner (60 sec)	FAR/CS 25.853(a) App F Pt I(a), (1), (i)		Pass at 1.5 & 13mm (1/16" & 1/2")
Recommended maximum operating temperature*	Internal	°C (°F)	155 (310)

* Recommended maximum operating temperature

The maximum operating temperature shown is defined as the temperature which will typically cause a linear shrinkage of 5% after a 24hr exposure period, using sample dimensions of 100mm x 100mm x 25mm. This figure is provided for general guidance only. The actual level of shrinkage the foam will undergo at any temperature is dependent on several system variables such as, sample dimensions, cell size, loading conditions and exposure period.

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Quality
FM 01870 / ISO 9001:2015



Safety
OHS 52538 / ISO 45001:2018



Environment
EMS 36270 / ISO 14001:2015

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