

ZOTEK® F OSU XR 150

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® F OSU XR 150 is a closed cell, foam of density 140 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 Skin/Skin	BS EN ISO 7214:2012	kg/m ³ (pcf)	140 (8.75)
Cell Size (cell diameter)	Internal	mm (in)	0.4 (0.016)
Compression Stress-Strain 25% compression	BS EN ISO 7214:2012 1 st Compression	kPa (psi)	480 (70)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	1950 (280)
Tensile Elongation		%	150
Compression Set 50% comp. / 22hr / 23°C ½ hr recovery	BS EN ISO 1856-C:2018 25mm cell-cell	% set	23
Thermal Conductivity Mean temperature of 37.8 °C (100 °F)	ISO 8301	W/m.K (Btu in/ft ² .hr. °F)	0.0414 (0.287)
Flammability Heat Release Smoke Density Smoke Density Toxic Gas Emission Vertical Burner (60 sec)	FAR/CS 25.853 (d) App F Pt IV FAR/CS 25.853 (d) App F Pt V ABD0031 para.7.3.2. ABD0031 para.7.4 FAR/CS 25.853(a) App F Pt I(a), (1), (i)		Pass at 6mm (1/4") Pass at 6mm (1/4") Pass at 6mm (1/4") Pass at 6mm (1/4") Pass at 1.5 & 13 mm (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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