

ZOTEK® F OSU XR 120

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® F OSU XR 120 is a closed cell, foam of density 120 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 Cell/Cell	BS EN ISO 7214:2012	kg/m ³ (pcf)	97 - 131 (6 – 8.2)
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)	350 - 485 (50 - 70)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	>1370 (200)
Tensile Elongation		%	>80
Compression Set 50% comp. / 22hr / 23°C ½ hr recovery	BS EN ISO 1856-C:2018 25mm cell-cell	% set	21
Thermal Conductivity Mean temperature of 37.8 °C (100 °F)	ISO 8301	W/m.K (Btu in/ft ² .hr.°F)	0.0402 (0.28)
Flammability			
Heat Release	FAR/CS 25.853 (d) App F Pt IV		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 & 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

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OHS 52538 / ISO 45001:2018

Environment
EMS 36270 / ISO 14001:2015

ZOTEFOAMS plc
675 Mitcham Road
Croydon, Surrey CR9 3AL
United Kingdom
Tel: +44 (0) 20 8664 1600
Email:
azote@zotefoams.com

ZOTEFOAMS Poland SP z.o.o.
Parkowa 26
49-318 Skarbimierz,
Osiedle

ZOTEFOAMS inc
55 Precision Drive Walton,
Kentucky 41094 USA
Tel: +1 859 371

If you would like more information email:
zotek@zotefoams.com or
visit our website
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