ZOTEFOAMS

ZOTEK® F75 HT

High Performance Foam

ZOTEK® F75 HT high-performance technical foams are manufactured using Zotefoams' unique autoclave technology. This process provides superior technical properties to satisfy the increasingly complex needs of high-tech manufacturers.

TYPICAL VALUES

The values provided represent data gathered from random samples of our production of the foam and should be considered as guidance for selecting a suitable grade for a given application. This does not constitute a specification.

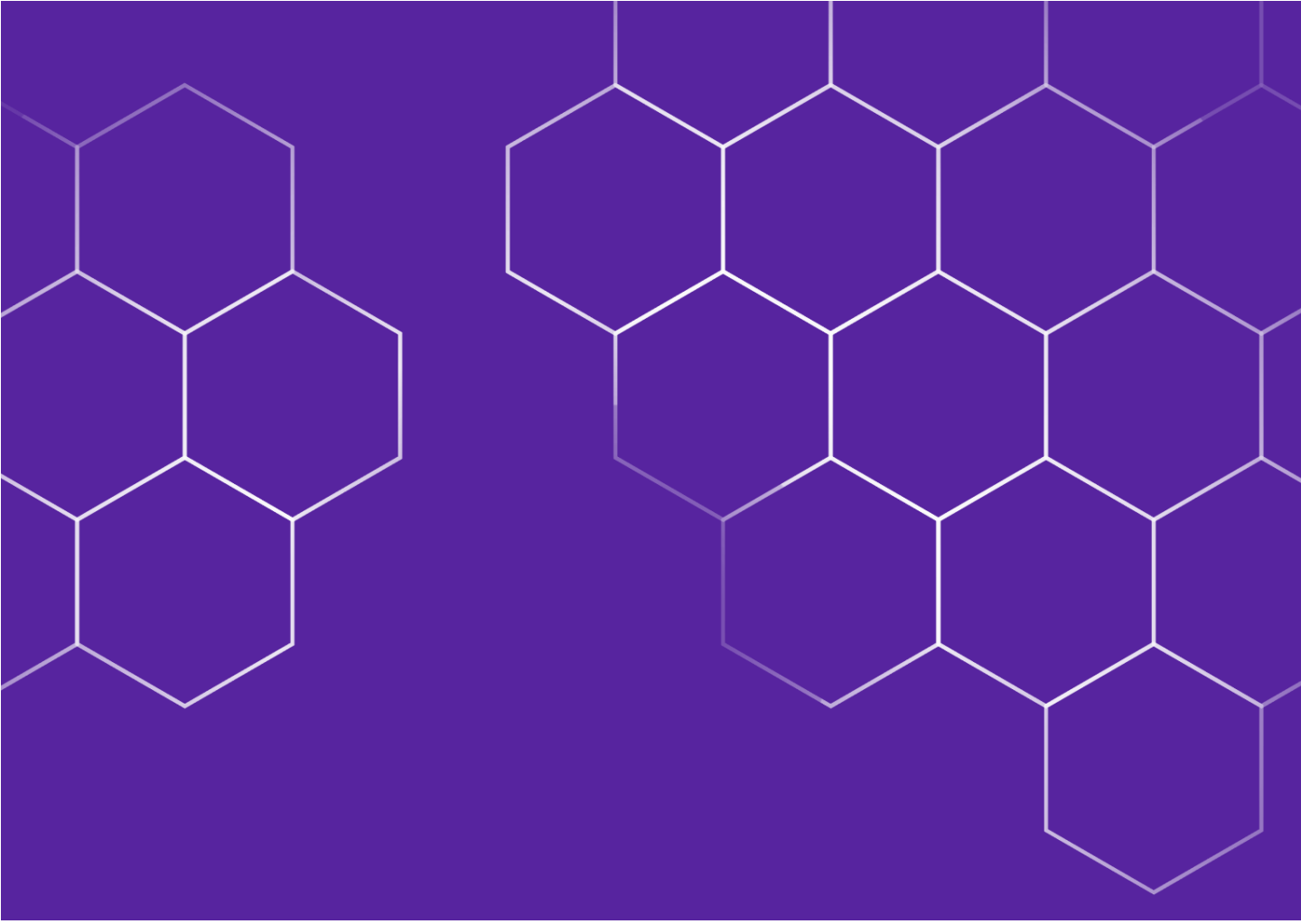
PROPERTY	TEST STANDARD	UNITS	TYPICAL VALUE
Apparent Density Skin/Skin	ISO 7214:2012	kg/m^3 (pcf)	68 (4.25)
Cell Size (Cell Diameter)	Internal	mm (in)	0.4 (0.01)
Compression Stress-Strain 25% Compression	ISO 7214:2012 1st Compression	kPa (psi)	200 (29)
Tensile Strength	ISO 7214:2012	kPa (psi)	>800 (116)
Tensile Elongation		%	100
Compression Set 50% Comp./22 Hour/23°C ½ Hour Recovery	ISO 7214:2012 25mm cell-cell	% set	12
Thermal Conductivity (Mean Temperature) 37.8°C (100°F)	ISO 8301	W/m.K (Btu in/ft^2.hr.°F)	0.0373 (0.26)

PROPERTY	TEST STANDARD	TYPICAL VALUE
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 25mm (1")

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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