ZOTEFOAMS

ZOTEK® T75

High Performance Foam

ZOTEK® 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.

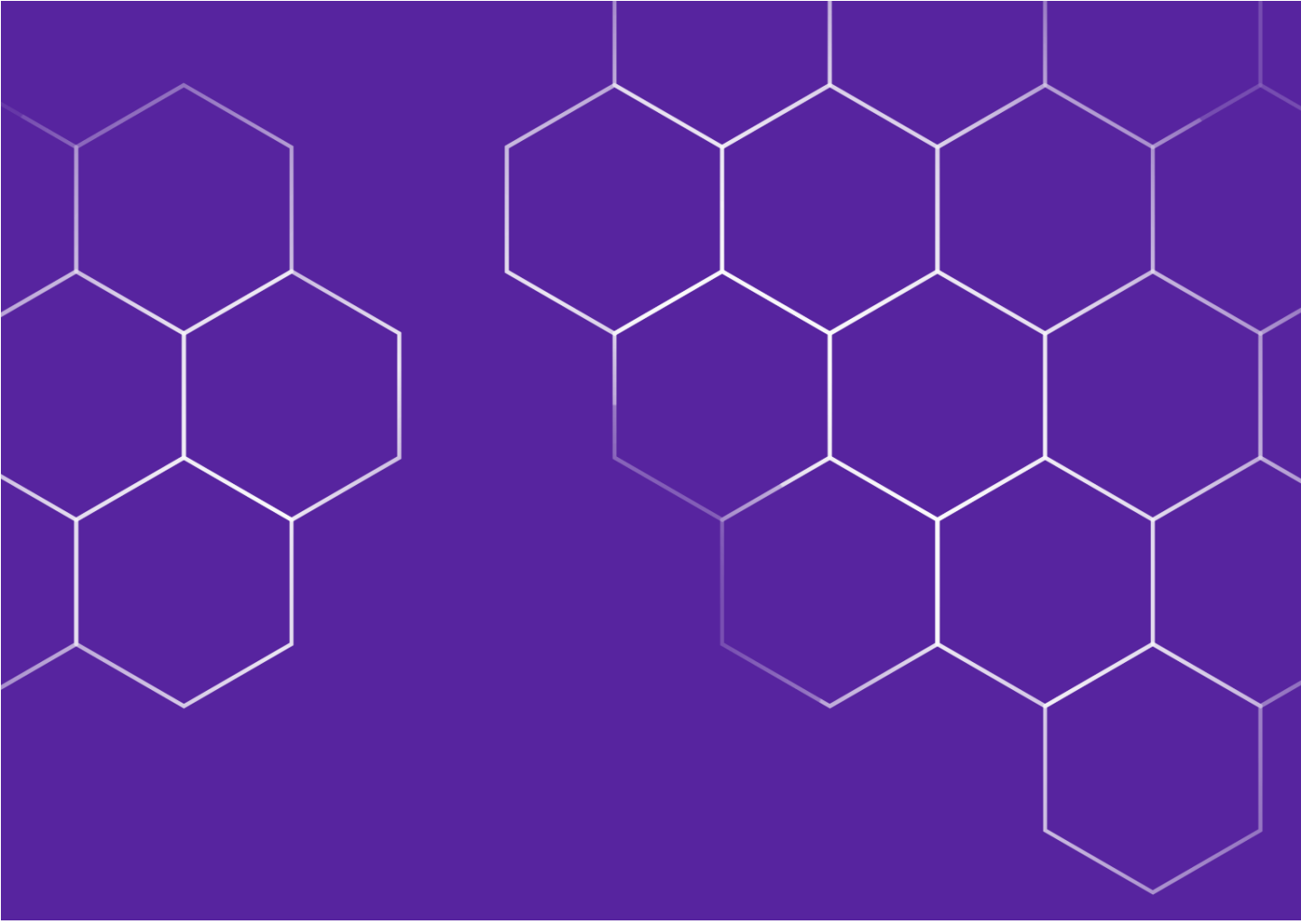
TYPICAL VALUES

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	ISO 7214:2012	kg/m³ (pcf)	
Skin/Skin			80 (5.0)
Cell/Cell			75 (4.7)
Cell Size (Cell Diameter)	Internal	mm (in)	0.38 (0.01)
Compression Stress-Strain	ISO 7214:2012	kPa (psi)	
25% Compression			80 (11)
50% Compression			160 (23)
Tensile Strength	ISO 7214:2012	kPa (psi)	675 (98)
Tensile Elongation		%	440
Tear Strength	ISO 8067:2008	N/m	
	Method A		3700
	Method B		4200
Compression Set	ISO 1856:2018 Method C	% set	
50% Comp./22 Hour/23°C ½ Hour Recovery			18
24 Hour Recovery			9
Hardness	ASTM D-2240	Asker C	26
Resilience	ISO 8307	%	64
Flammability - Automotive	FMVSS.302 – Burn Rate	<100mm/min.	Pass at 6mm
Thermal Conductivity	ISO 8301	W/m.K (Btu in/ft².hr.°F)	
Mean Temperature of 0°C (32°F)			0.034 (0.236)
Mean Temperature of 25°C (77°F)			0.036 (0.249)
Mean Temperature of 80°C (176°F)			0.043 (0.298)
Recommended Maximum Operating Temperature*	Internal	°C (°F)	130 (266)

**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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For details on Zotefoams Management Systems, please visit **www.zotefoams.com**

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

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

Zotefoams Inc.
55 Precision Drive
Walton KY, 41094 USA
Tel: +1 859 371 4025
Free: (800) 362-8358 (US Only)

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

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