

ZOTEK® T 75

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® T 75 is a closed cell, foam of density 75 kg/m³ made from thermoplastic elastomer 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.

Property	Test Standard	Units	Typical Value
Apparent Density			
Skin/Skin	BS EN ISO 7214:2012	kg/m ³ (pcf)	80 (5.0)
Cell/Cell			75 (4.7)
Cell Size (cell diameter)	Internal	mm (in)	0.38 (0.01)
Compression Stress-Strain			
25% compression	BS EN ISO 7214:2012	kPa (psi)	80 (11)
50% compression	1 st Compression		160 (23)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	675 (98)
Tensile Elongation		%	440
Tear Strength			
	BS EN ISO 8067:2008		
	Method A	N/m	3700
	Method B		4200
Compression Set			
50% comp. / 22hr / 23°C	BS EN ISO 1856:2018 Method C		
½ hr recovery	25mm cell-cell	% set	18
24hr 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			
Mean temperature of 0 °C (32 °F)		W/m.K	0.034 (0.236)
Mean temperature of 25 °C (77 °F)	ISO 8301	(Btu in/ft ² .hr.°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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Quality
FM 01870 / ISO 9001:2015



Safety
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 www.zotefoams.com
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