

ZOTEK® T 85 High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® T 85 is a closed cell, foam of density 85 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.

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/m³ (pcf)	95 (5.9)
Cell/Cell			85 (5.3)
Cell Size (cell diameter)	Internal	mm (in)	0.37 (0.01)
Compression Stress-Strain	BS EN ISO 7214:2012		
25% compression	1 st Compression	kPa (psi)	100 (14.5)
50% compression			180 (26.1)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	750 (108)
Tensile Elongation		%	400
Tear Strength	BS EN ISO 8067:2008	NI/	
	Method A	N/m	4500
Compression Set			
50% comp. / 22hr / 23°C	BS EN ISO 7214:2012		
½ hr recovery	25mm cell-cell	% set	18
24hr recovery			6
Hardness	ASTM D-2240	Asker C	30
Resilience	ISO 8307	%	60
Thermal conductivity			
Mean temperature of 0 °C (32 °F)	ISO 8301	W/m.K (Btu in/ft².hr.°F)	0.036 (0.25)
Mean temperature of 25 °C (77 °F)			0.039 (0.27)
Mean temperature of 80 °C (176 °F)			0.044 (0.31)
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



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Environment EMS 36270 ISO 14001:2015

ZOTEFOAMS plc

675 Mitcham Road Croydon Surrey CR9 3AL United Kingdom

Tel: +44 (0) 20 8664 1600 Fax: +44 (0) 20 8664 1616 Email: info@zotefoams.com

ZOTEFOAMS SP z.o.o.

Ul. Parkowa 26 49-318 Skarbimierz Osiedle Poland

ZOTEFOAMS inc

55 Precision Drive Walton Kentucky 41094 USA

Tel: +1 859 371

Freephone: (800) 362 8358 US only

Fax: +1 859 371 4734

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