

# ZOTEK® T 75

## High Performance Foams

### Product information

#### Typical values

**ZOTEK® T 75** is a closed cell, foam of density 75 kg/m<sup>3</sup> 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
<b>Apparent Density</b>			
Skin/Skin	BS EN ISO 7214:2012	kg/m <sup>3</sup> (pcf)	80 (5.0)
Cell/Cell			75 (4.7)
<b>Cell Size</b> (cell diameter)	Internal	mm (in)	0.38 (0.01)
<b>Compression Stress-Strain</b>			
25% compression	BS EN ISO 7214:2012	kPa (psi)	80 (11)
50% compression	1 <sup>st</sup> Compression		160 (23)
<b>Tensile Strength</b>	BS EN ISO 7214:2012	kPa (psi)	675 (98)
<b>Tensile Elongation</b>		%	440
<b>Tear Strength</b>			
	BS EN ISO 8067:2008		
	Method A	N/m	3700
	Method B		4200
<b>Compression Set</b>			
50% comp. / 22hr / 23°C	BS EN ISO 7214:2012		
½ hr recovery	25mm cell-cell	% set	18
24hr recovery			9
<b>Hardness</b>	ASTM D-2240	Asker C	26
<b>Resilience</b>	ISO 8307	%	64
<b>Flammability</b>			
<b>Automotive</b>	FMVSS.302 – Burn rate	<100mm/min.	Pass at 6mm
<b>Thermal conductivity</b>			
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 <sup>2</sup> .hr.°F)	0.036 (0.249)
Mean temperature of 80 °C (176 °F)			0.043 (0.298)
<b>Recommended maximum operating temperature*</b>	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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