

# ZOTEK® T P55

## High Performance Foams



### Product information

#### Typical values

ZOTEK® T P55 is a closed cell, foam of density 55 kg/m<sup>3</sup> made from polyether block amide 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)	62 (3.8)
Cell/Cell			55 (3.5)
<b>Cell Size</b> (cell diameter)	Internal	mm (in)	0.2
<b>Compression Stress-Strain</b>			
25% compression	BS EN ISO 7214:2012	kPa (psi)	140 (20)
50% compression	1 <sup>st</sup> Compression		230 (33)
<b>Tensile Strength</b>	BS EN ISO 7214:2012	kPa (psi)	1100 (160)
<b>Tensile Elongation</b>		%	250
<b>Tear Strength</b>			
	BS EN ISO 8067:2008		
	Method A	N/m	3600
	Method B		5000
<b>Compression Set</b>			
50% comp. / 22hr / 23°C	BS EN ISO 7214:2012		
½ hr recovery	25mm cell-cell	% set	18
24hr recovery			13
<b>Hardness</b>	ASTM D-2240	Asker C	42
<b>Resilience</b>	ISO 8307	%	40
<b>Flammability</b>	FMVSS.302 – Burn rate	<100mm/min.	Pass at 4mm
<b>Automotive</b>			
<b>Thermal conductivity</b>			
Mean temperature of 0 °C (32 °F)		W/m.K	0.033
Mean temperature of 25 °C (77 °F)	ISO 8301	(Btu in/ft <sup>2</sup> .hr.°F)	0.036
Mean temperature of 80 °C (176 °F)			0.042

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