

ZOTEK® T P55

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® T P55 is a closed cell, foam of density 55 kg/m³ 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
Apparent Density			
Skin/Skin	BS EN ISO 7214:2012	kg/m ³ (pcf)	62 (3.8)
Cell/Cell			55 (3.5)
Cell Size (cell diameter)	Internal	mm (in)	0.2
Compression Stress-Strain			
25% compression	BS EN ISO 7214:2012	kPa (psi)	140 (20)
50% compression	1 st Compression		230 (33)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	1100 (160)
Tensile Elongation		%	250
Tear Strength			
	BS EN ISO 8067:2008		
	Method A	N/m	3600
	Method B		5000
Compression Set			
50% comp. / 22hr / 23°C	BS EN ISO 7214:2012		
½ hr recovery	25mm cell-cell	% set	18
24hr recovery			13
Hardness	ASTM D-2240	Asker C	42
Resilience	ISO 8307	%	40
Flammability			
Automotive	FMVSS.302 – Burn rate	<100mm/min.	Pass at 4mm
Thermal conductivity			
Mean temperature of 0 °C (32 °F)		W/m.K (Btu in/ft ² .hr.°F)	0.033
Mean temperature of 25 °C (77 °F)	ISO 8301		0.036
Mean temperature of 80 °C (176 °F)			0.042
Recommended maximum operating temperature	Internal	°C (°F)	150 (302)

* 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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FM 01870
ISO 9001:2015



Safety
OHS 52538
ISO 45001: 2018



Environment
EMS 36270
ISO 14001:2015

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Issue 0 Revision 1
September 2023