

ZOTEK® T P60

High Performance Foams

ZOTEK®

Product information

Typical values

ZOTEK® T P60 is a closed cell, foam of density 60 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)	64 (4.0)
Cell/Cell			60 (3.75)
Cell Size (cell diameter)	Internal	mm (in)	0.26 (0.01)
Compression Stress-Strain			
25% compression	BS EN ISO 7214:2012	kPa (psi)	100 (14.5)
50% compression	1 st Compression		180 (26.1)
Tensile Strength	BS EN ISO 7214:2012	kPa (psi)	700 (101)
Tensile Elongation		%	250
Tear Strength			
	BS EN ISO 8067:2008		
	Method A	N/m	2400
	Method B		3800
Compression Set			
50% comp. / 22hr / 23°C	BS EN ISO 7214:2012		
½ hr recovery	25mm cell-cell	% set	17
24hr recovery			10
Hardness	ASTM D-2240	Asker C	34
Resilience	ISO 8307	%	50
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)	0.035 (0.243)
Mean temperature of 25 °C (77 °F)	ISO 8301		0.036 (0.249)
Mean temperature of 80 °C (176 °F)			0.040 (0.277)
Recommended maximum operating temperature*	Internal	°C (°F)	135 (275)

* 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
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OHS 52538
ISO 45001: 2018



Environment
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