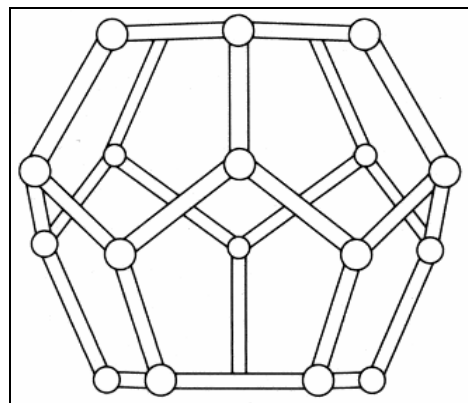


# Zotek® ND35

## Polyamide Foam Property Data Sheet



Zotek® ND35 is a closed cell, cross-linked polyamide foam manufactured using Zotefoams unique production process. This provisional data sheet characterises Zotek® ND35 which is available in sheet form and is fabricated by modern techniques and can be thermoformed into shapes.

Property	Test Procedure	Units	Zotek® ND35 typical value**
<b>Nominal Density</b>	ISO 845	kg/m <sup>3</sup>	36
<b>Cell Size – Typical Diameter</b>	Internal	mm	0.16
<b>Compression Stress-Strain</b>	ISO 7214		
25% compression		kPa	110
50% compression		kPa	180
<b>Compression Set</b>			
25% comp., 22hr, 23°C	ISO 7214		
½ hr recovery	25 mm cell-cell	% set	15
24hr recovery		% set	13
<b>Tensile Strength</b>	ISO 7214	KPa	950
<b>Elongation at Break</b>	ISO 7214	%	85
<b>Maximum Operating Temperature*</b>	Internal	°C	190

### \*MAXIMUM OPERATING TEMPERATURE

The maximum operating temperature 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 particular temperature is dependant on a number of system variables such as sample dimensions, cell size, loading conditions and exposure period.

### \*\*TYPICAL PRODUCT DATA

This Property Provisional Data Sheet shows typical properties on representative samples of material and is provided for basic reference only and does not constitute a product specification.

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*This Data Sheet presents typical properties measured on representative samples and is for reference purposes only. It is not a specification. If a specification is required, please contact Zotefoams.*

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