

## Specification Sheet

Aluminium Metal Foam Closed Cell

(Al, Size: 600mm × 200mm × 15mm)

Stock No: NS6130-10-1215A, CAS: 7429-90-5

<b>Product</b>	:	<b>Aluminium Metal Foam Closed Cell</b>
Stock No	:	NS6130-10-1215A
CAS	:	7429-90-5
Purity	:	99.9%
Length	:	600mm
Width	:	200mm
Aluminium Foam Thickness	:	15mm
Pore Size	:	5mm (Closed Cell)
Porosity	:	70%
Molecular Weight	:	26.98 g/mol
Density	:	45 g/cm <sup>3</sup>
Color	:	Silvery
Bulk Density	:	0.11-0.27 g/cm <sup>3</sup>
Melting Point	:	660.37°C
Boiling Point	:	2467°C
Thermal Conductivity	:	2.37W/m.K
Tensile Strength	:	1.34Mpa
Young's modulus	:	70GPa
Shear strength	:	1.31MPa
Vickers hardness	:	167MPa
Poisson's ratio	:	0.35
Electrical resistivity	:	2.65μC.m
Specific heat	:	0.215cal/f.K
Electronegativity	:	1.5 paulings
Heat of fusion	:	2.55Cal/gm mole

**NANOSHEL LLC** (In Collaboration)

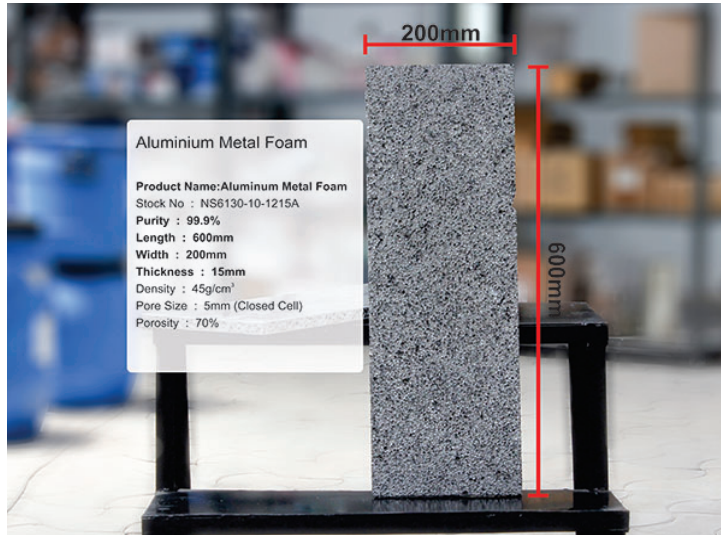
3422 Old Capitol Trial Suit 1305, Wilmington DE - 19808 USA  
(001) 302 652-3464, + 91 9779-880077

Heat of vaporization : 67.9K-Cal/g  
**Main Inspect Verifier : Manager QC**

**Note:** Product Specification are subject to amendment and may change over time



## Characterization of Aluminium Metal Foam Closed Cell



Aluminium Metal Foam Closed Cell



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Creating Miracles in Black