

## Specification Sheet

Aluminum Metal Foam Closed Cell

(Al, Size: 600mm × 200mm × 15mm)

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

<b>Product</b>	:	<b>Aluminum Metal Foam Closed Cell</b>
Stock No	:	NS6130-10-1215B
CAS	:	7429-90-5
Purity	:	99.9%
Length	:	600mm
Width	:	200mm
Aluminium Foam Thickness	:	15mm
Bonded Sheet	:	0.5mm (On Either Side)
Pore Size	:	5mm (Closed Cell)
Porosity	:	70%
Molecular Formula	:	Al
Molecular Weight	:	26.98g/mol
Density	:	45 g/cm <sup>3</sup>
Color	:	Silvery
Bulk Density	:	0.11-0.27g/cm <sup>3</sup>
Melting Point	:	660.37°C
Boiling Point	:	2467°C
Relative Surface Area	:	200-2000m <sup>2</sup> /m <sup>3</sup>
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

**NANOSHEL LLC** (In Collaboration)

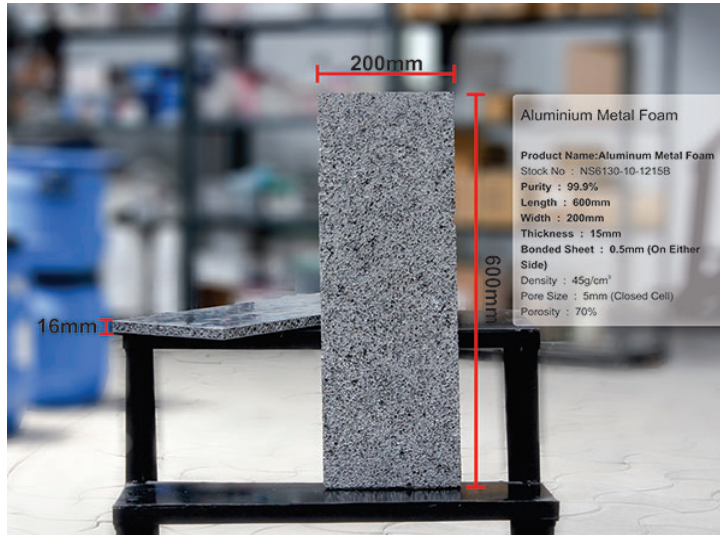
3422 Old Capitol Trial Suit 1305, Wilmington DE - 19808 USA  
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Specific heat	:	0.215cal/f.K
Electronegativity	:	1.5 paulings
Heat of fusion	:	2.55Cal/gm mole
Heat of vaporization	:	67.9K-Cal/g
<b>Main Inspect Verifier</b>	:	<b>Manager QC</b>

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



## Characterization of Aluminum Metal Foam Closed Cell



Aluminum Metal Foam Closed Cell



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