

Specification Sheet

Aluminium Foam

(Al, L×W: 600×200mm, Thickness: 10mm)

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

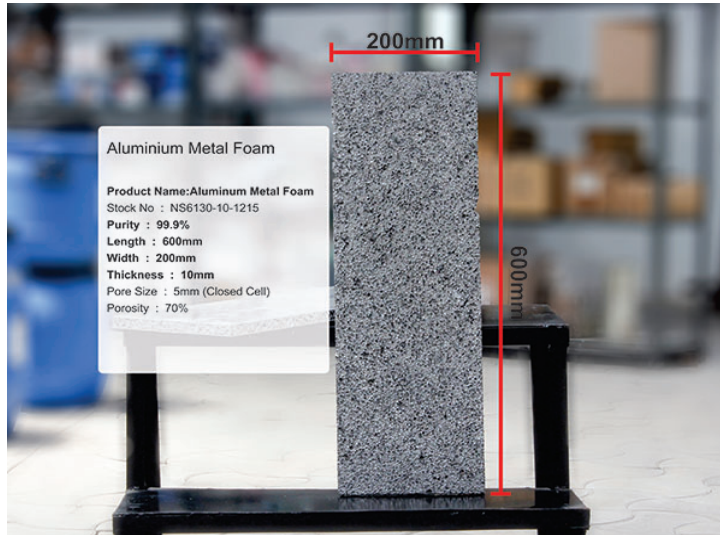
Product	:	Aluminium Foam
Stock No	:	NS6130-10-1215
CAS	:	7429-90-5
Purity	:	99.9%
Length	:	600mm
Aluminium Foam Thickness	:	10mm
Pore Size	:	5mm (Closed Cell)
Porosity	:	70%
Molecular Formula	:	Al
Molecular Weight	:	26.98g/mol
Density	:	45g/cm ³
Color	:	Silvery
Bulk Density	:	0.11-0.27g/cm ³
Melting 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
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 Foam



Aluminium Foam



NANOSHEL
Creating Miracles in Black