

Specification Sheet

Copper Foam Heat Exchanger

Stock No: NS6130-10-1009, CAS: 7440-50-8

Product	:	Copper Foam Heat Exchanger
Stock No	:	NS6130-10-1009
CAS	:	7440-50-8
Porosity	:	50%-98%
Thickness	:	3mm
PPI	:	50
Size	:	500×500mm
Pore size	:	0.1mm-1mm (110ppi)
Molecular Formula	:	Cu
Molecular weight	:	63.55g/mol
Density	:	8.96g/cm ³
Melting point	:	1085°C
Boiling point	:	2562°C
Thermal expansion	:	16.5μm.m-1.k-1
Thermal conductivity	:	401W.m-1.k-1
Tensile strength	:	1.25N/mm
Young's modulus	:	110-128GPa
Shear strength	:	190Psi
Vickers hardness	:	369MPa
Poisson's ratio	:	0.34
Electrical resistivity	:	1.673μΩ-cm
Specific heat	:	0.39kj/kgK
Electronegativity	:	1.90paulings
Heat of fusion	:	13.26kJ.mol-1
Heat of vaporization	:	300.4kJ.mol-1

Intelligent Materials Pvt. Ltd.

www.nanoshel.com, sales@nanoshel.com

Main Inspect Verifier

:

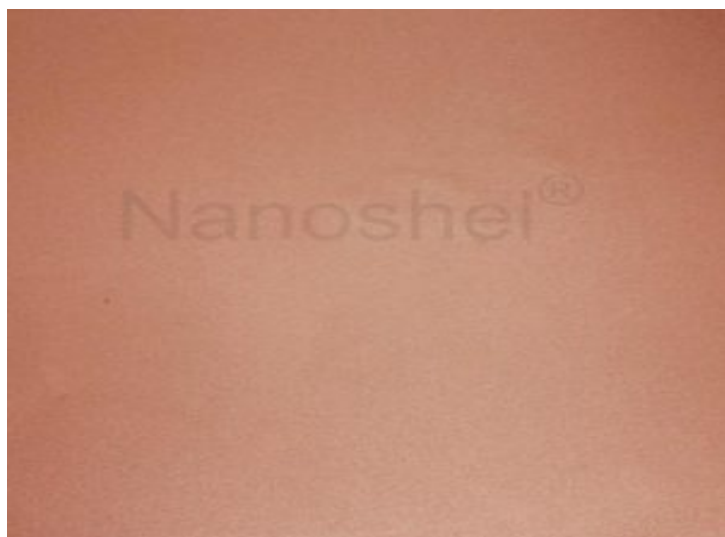
Manager QC



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



Characterization of Copper Foam Heat Exchanger



Copper Foam Heat Exchanger



NANOSHEL
Creating Miracles in Black