

Specification Sheet

Aluminum Manganese Alloy Nanopowder

(Al:Mn, 99.9%, APS: < 80nm)

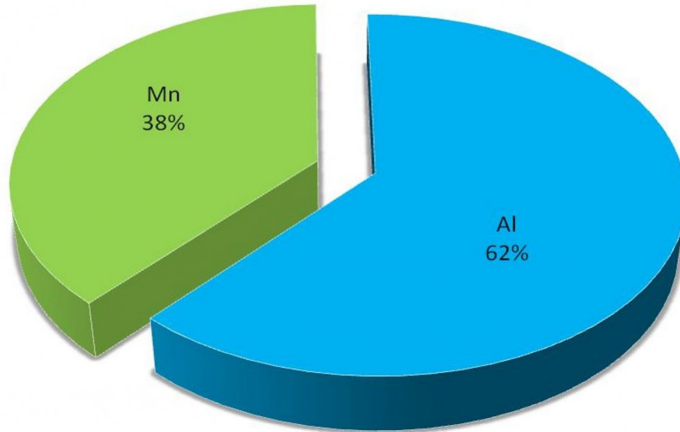
Stock No: NS6130-07-736, CAS: 12253-13-3

Product	:	Aluminum Manganese Alloy Nanopowder
Stock No	:	NS6130-07-736
CAS	:	12253-13-3
Purity	:	99.9%
APS	:	< 80nm
Molecular Formula	:	Al:Mn
Density	:	2.72 kg/m ³
Thermal Conductivity	:	163W/m
Thermal Expansion	:	23.9 °C ⁻¹
Tensile Strength	:	179MPa
Specific Heat	:	893J/kg
Electrical Resistivity	:	4.16Ω
Elongation at break	:	20%
Modulus of Elasticity	:	69GPa
Main Inspect Verifier	:	Manager QC

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

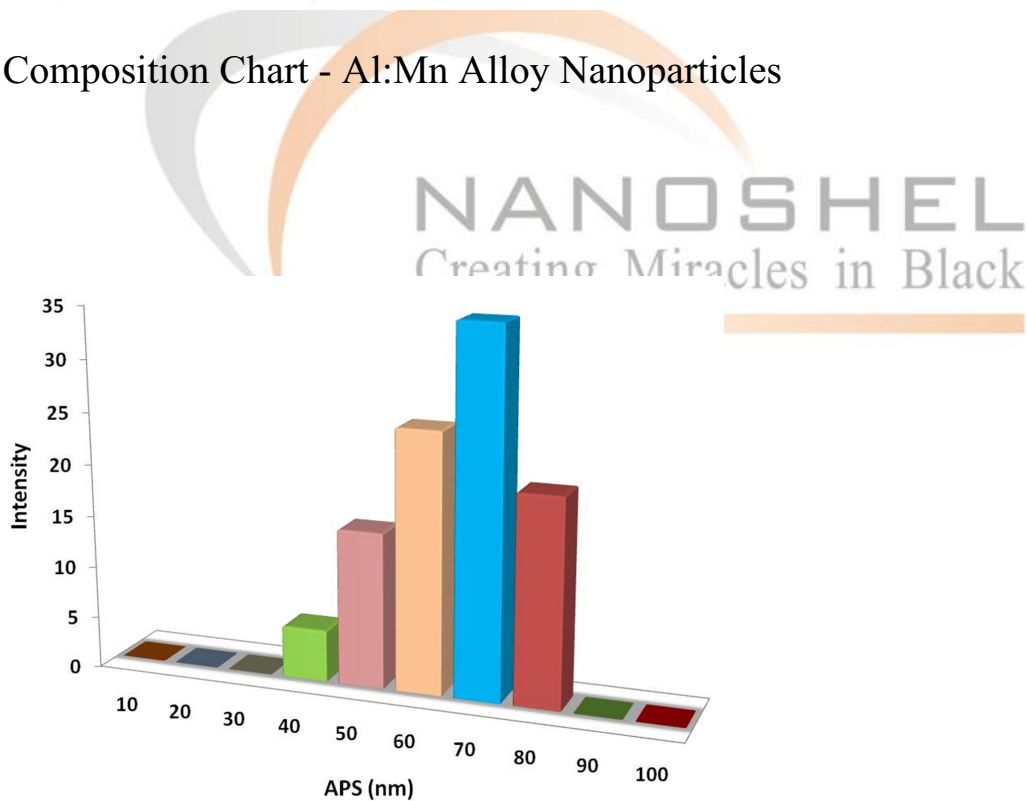
Characterization of Aluminum Manganese Alloy Nanopowder

Aluminum Manganese Alloy Nanoparticles



Composition Chart

Composition Chart - Al:Mn Alloy Nanoparticles



Particles Size Analysis - Aluminum Manganese Alloy Nanopowder