

NS6130-02-276

NICKEL PHOSPHIDE

Nanoparticles

Quick Facts

Product	:	Nickel Phosphide Nanoparticles
Stock No	:	NS6130-02-276
CAS	:	12035-64-2
Molecular Formula	:	Ni ₂ P
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
148.36 g/mol	7.330 g/cm ³	1100 °C	30-50nm

Nickel phosphide mainly apply to chemical nickel-plating, cathode material and catalyst. Transition metal phosphides are an interesting class of materials and offer many interesting features such as being low band gap semiconductors (therefore being electronically conductive), good stability in acidic & basic media compared to that of pure metal, in-expensive and availability of facile chemical routes for their synthesis and easy access to a number of different phases.



Application

- ✓ Lithium ion batteries
- ✓ Electro catalyst
- ✓ Corrosion resistance

Ni₂P
APS 30-50nm



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