

NS6130-02-215

TUNGSTEN CARBIDE Nanoparticles

Quick Facts

Product	:	Tungsten Carbide Nanoparticles
Stock No	:	NS6130-02-215
CAS	:	12070-12-1
Molecular Formula	:	WC
Form	:	Powder

Purity
99.9%

Technical Specification

Molecular Weight	Density	Melting Point	APS
195.85 g/mol	15.6 g/cm ³	2785-2830 °C	<100nm

Researchers compared the stability of the most commonly used carbides in electrochemical applications: tungsten carbides (WC) in electrolytic solutions by varying pH values, where WC exhibits the largest region of stability at a relatively lower pH value. It has been studied that tungsten carbide exhibits high catalytic activity in electro-catalysis and is a promising material for hydrogen evolution reactions and hydrogen oxidation reactions in electro-catalysis.



Application

- ✓ Catalytic activity in electro-catalysis
- ✓ Dye-sensitized solar cells
- ✓ Industrial machinery
- ✓ Cutting tools
- ✓ Abrasives
- ✓ armor-piercing rounds

WC
APS <100nm



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