

Iridium IV

Oxide Powder

NS6130-12-000785



APS
40-60 μ m



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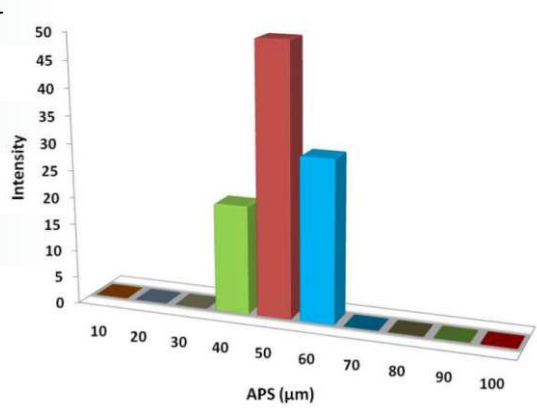
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Iridium IV Oxide Powder

The high melting point, hardness and corrosion resistance of iridium and its alloys determine most of its applications. Iridium (or sometimes platinum alloys or osmium) and mostly iridium alloys have a low wear and are used, for example, for multi-pored spinnerets, through which a plastic polymer melt is extruded to form fibers, such as rayon. Osmium-iridium is used for compass bearings and for balances. Their resistance to arc erosion makes iridium alloys ideal for electrical contacts for spark plugs, and iridium-based spark plugs are particularly used in aviation. Pure iridium is extremely brittle, to the point of being hard to weld because the heat-affected zone cracks, but it can be made more ductile by addition of small quantities of titanium and zirconium.

Quick Facts

Product	:	Iridium IV Oxide Powder
Stock No	:	NS6130-12-000785
CAS	:	12030-49-8
Purity	:	99%
Color	:	Black
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
IrO_2	40-60μm	224.22 g/mol	1100 °C

Chemical Composition

Product	Weight Percent (nominal)	
	IrO_2	Other Metal
Iridium IV Oxide Powder	99%	0.1%

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20ZICE4589C



19ZAZGO1274G



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