

HIGH SPEED STEEL POWDER

QUICK FACTS

Product	: High Speed Steel Powder
Stock No	: NS6130-12-000263
CAS	: 12597-68-1
Color	: Grey and Black
Form	: Powder

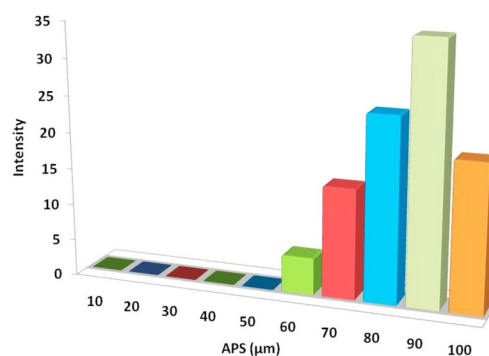


High-speed steel is a subset of tool steels, commonly employed as cutting tool material. It is often employed in power-saw blades and drill bits. It is superior to the older high-carbon steel tools utilized extensively in the past. In the earlier years it can withstand higher temperatures without losing its hardness. This property permits HSS to cut faster than high carbon steel, hence the name high-speed steel. The important utilization of high-speed steels continues to be in the fabrication of various

cutting tools for instance drills, taps, milling, cutters, tool bits, saw blades, planer, gear cutters hobbing, and jointer blades, router bits, etc., although usage for punches and dies is increasing. High speed steels also found an application in the market of fine hand tools where their relatively good toughness at high hardness, coupled with high abrasion resistance, made them suitable for low speed applications requiring a durable keen (sharp) edge, for instance files, chisels.

APPLICATIONS

- ✓ Power-saw Blades
- ✓ In The Fabrication Of Various Cutting Tools For Instance Drills, Taps, Cutters, Tool Bits, Saw Blades
- ✓ Utilized In Hand Plane Blades, Kitchen Knives And Pocket Knives
- ✓ Used In Broaches



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-12-000263	99.9%	50-100µm

Technical Specification

Density
3.7-4.6 g/cm ³

Properties

- ✓ CAS No.: N/A

Chemical Composition

Product	Weight Percent (nominal)	Other Metal
High Speed Steel Powder	99.9 %	800ppm

Ordering Information and Stock Availability

- ✓ Product: High Speed Steel Powder
- ✓ Distribution: Global
- ✓ Stock Availability: Available
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-12-000263

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/high-speed-steel-powder>



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