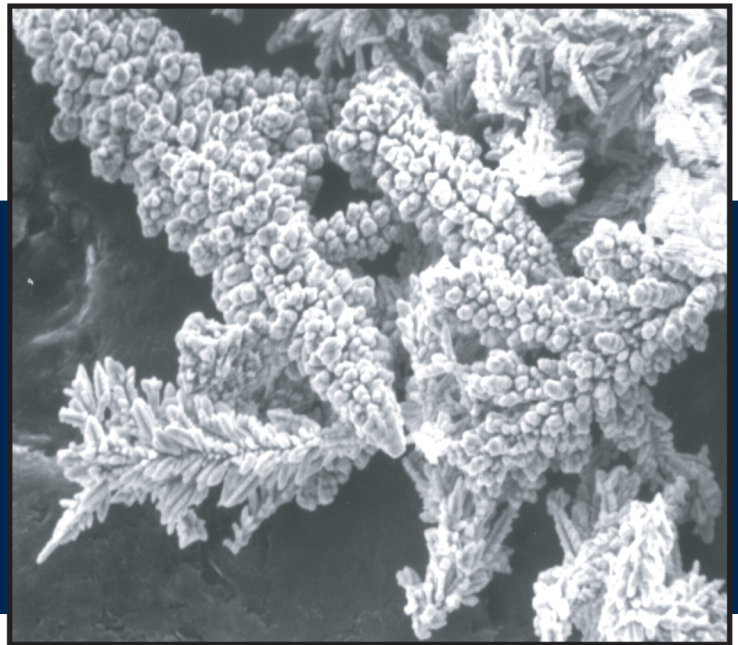




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Dendritic Copper Powder



Dendritic Copper Powder

Novamet's Dendritic Copper is used as a thermal conductive binder in high performance abrasive products, such as diamond cutting tools. The dendritic nature of the copper provides additional strength in the matrix which cannot be obtained with spherical shaped copper powders. In addition, dendritic copper provides good heat transfer capabilities which are necessary to take heat away from the cutting edge, a needed attribute for cutting tool applications. The removal of heat during operation prolongs the life of these tools

Typical Properties of Dendritic Copper Powder

Screen Analysis (%)

	+250	-400
Copper Powder	< 2.0 %	> 92.0%

Physicals

Apparent Density	0.70 - 0.90 g/cm ³
Fisher Size	~ 5.0 μ m

Chemistry

Copper	> 99.7 %
Oxygen	< 0.15 %

Packaging

Size	Weight
1 gal / 4 liter can	11 lb / 5 kg
5 gal / 20 liter pail	55 lb / 25 kg
15 gal / 60 liter drum	220 lb / 100 kg

Note: All containers are lined with a polyurethane bag.



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NOVAMET Specialty Metal Flakes, Powders, Pigments, Oxides and Coated Products