

# Metal Injection Molding “MIM”

Metal Injection Molding (MIM), combines the productivity of plastic injection molding with the ability to fabricate metals into complicated shapes having the desired strength, corrosion resistance, electrical, thermal or magnetic properties. **ACuPowder** provides several grades of copper, tin, bronze and nickel which have the necessary degree of fineness and purity for MIM parts production.

Grade	A.D. (g/cm <sup>3</sup> )	Nominal Mesh	D50 (microns)	Comments
<b>Copper 301</b>	3.1	-325	20	Irregular
<b>450</b>	3.4	-450	18	Spheroidal
<b>500A</b>	4.0	-500	17	Spherical
<b>635</b>	3.4	-635	14	Spheroidal
<b>Tin 301</b>	3.0	-325	9	Nodular
<b>Bronze 5890</b>	5.0	-325	23	90 Cu / 10 Sn / 0.07 P Spherical
<b>5657-C</b>	5.0	-325	23	89.7 Cu / 10Sn/ 0.3 P Spherical
<b>Nickel</b>	<b>ACuPowder</b> provides Inco's Carbonyl Nickel Powders to the MIM market. Please refer to our special Bulletin on Nickel Powders.			

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ISO 9001

*From industry pioneer to industry leader,  
We are innovation in motion*

ISO 14001

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*We have been part of your lives for over 90 years*