

Chemically Precipitated Silver Powders For Industrial Applications

Chimet offers a complete range of high purity silver powders for industrial applications including, but not limited to, diamond wheels, alloys sintered electrical contacts and inks.

Thanks to the long experience and the continuous improvement of the production line Chimet manufactures a wide range of particle size with a stable quality production. The controlled particle size and other physical properties are certified batch-by-batch through the quality control lab equipped with the most up-to-date analytical instruments.

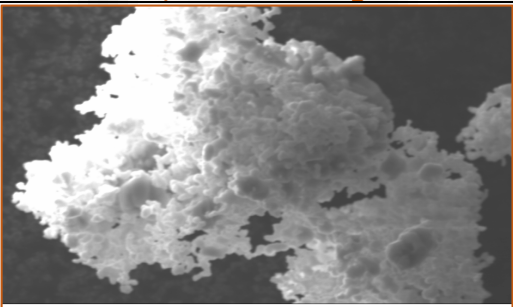
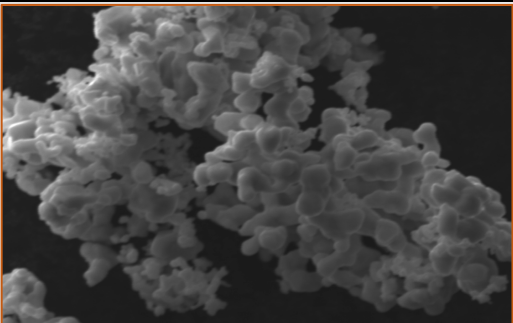
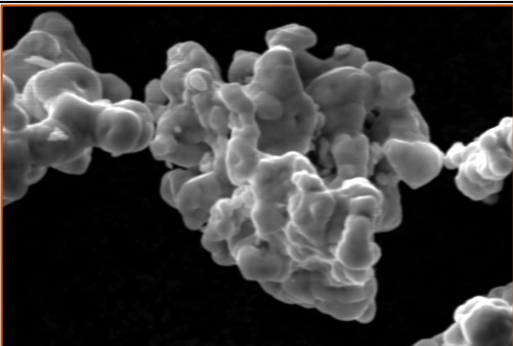
Typical properties, silver powders

Silver grade	Silver purity	Tap density	Particle size D ₅₀	Humidity	Feature
Ag P 1100	Min. 99.7%	1.1 – 1.9 g/cc	5 – 11 µm	Max 0.15%	Low density
Ag P 1200	Min. 99.8%	1.8 – 2.4 g/cc	Max 18 µm	Max 0.15%	Medium density
Ag P 1210	Min. 99.7%	2.0 – 2.6 g/cc	Max 25 µm	Max 0.15%	Wide size distribution

Analysis Methods

Silver purity	calcination, internal procedure IO 10.3.01
Tap density	according to ASTM-D4164-82
Particle size D ₅₀	laser diffraction, internal procedure IO.3.24
Humidity	IR heating, internal procedure IO 10.1.04

General appearance, ZEISS SEM, 10000 magnifications

Silver grade	ZEISS SEM, 10000 magnifications	
Ag P 1100		 <p data-bbox="1003 612 1514 644">2 µm EHT = 20.00 kV Signal A = SE1 VP Target = 3.00e-001 mDate :26 May 2022 WD = 5.5 mm Mag = 10.00 K X Vacuum Mode = High Vacuum</p>
Ag P 1200		 <p data-bbox="1003 968 1514 1003">1 µm EHT = 20.00 kV Signal A = SE1 VP Target = 3.00e-001 mDate :26 May 2022 WD = 5.5 mm Mag = 10.00 K X Vacuum Mode = High Vacuum</p>
Ag P 1210		 <p data-bbox="1003 1350 1514 1383">2 µm EHT = 20.00 kV Signal A = SE1 VP Target = 3.00e-001 mDate :26 May 2022 WD = 5.5 mm Mag = 10.00 K X Vacuum Mode = High Vacuum</p>