

NOVAMET

Silver Coated Nickel

Silver Coated Spheres

Novamet Silver Coated Nickel Spheres are nickel particles which have been encapsulated in silver by a proprietary process. The particles have conductivity and chemical stability approaching pure silver. This material has excellent corrosion resistance and is stable when used as filler in silicone elastomers.

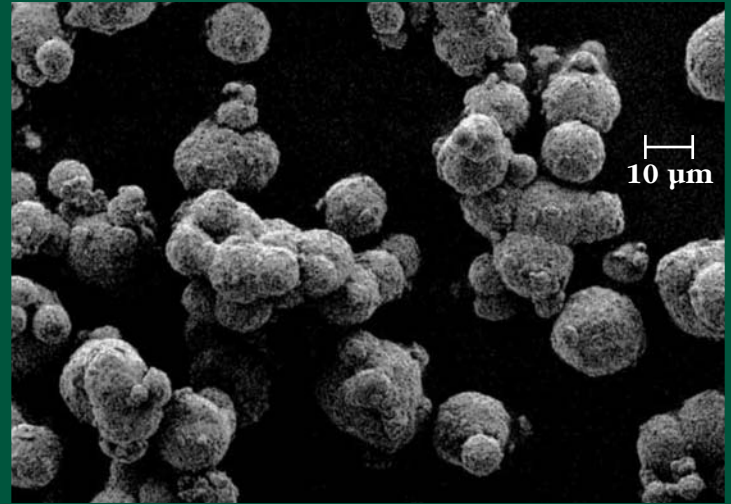
Applications

Silver coated nickel is used as a conductive filler in elastomers, adhesives and inks to provide conductive paths for shielding against electromagnetic and radio frequency interference.

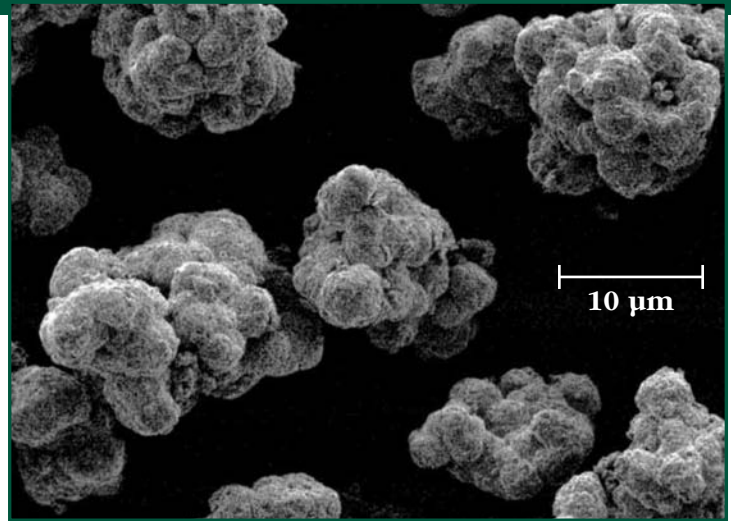
The Advantages of Silver Coated Nickel

The nickel substrate is magnetic which enables the particles to be aligned magnetically in complex circuitry.

- Excellent environmental stability in heat, humidity and salt spray.
- Less costly than pure silver materials.
- Custom size distributions are available.



Standard Grade



Coarse Grade

Typical Properties of Novamet Silver Coated Nickel

	Screen Analysis (-325 Mesh)	Apparent Density (g/cm ³)	Microtrac d50/microns
Standard Grade	90%	3.0	30-40
Coarse Grade	90%	3.4	35-45

Packaging

U.S.		Metric	
1 gal. can	11 lb	4 liter can	5 kg
5 gal. pail	55 lb	20 liter pail	25 kg

Note: All containers are lined with a polyurethane bag.

NOVAMET

Novamet Specialty Products Corporation
A Vale Inco company
681 Lawlins Road, Wyckoff, NJ 07481
(201) 891-7976 • FAX (201) 891-9467
www.novametcorp.com