

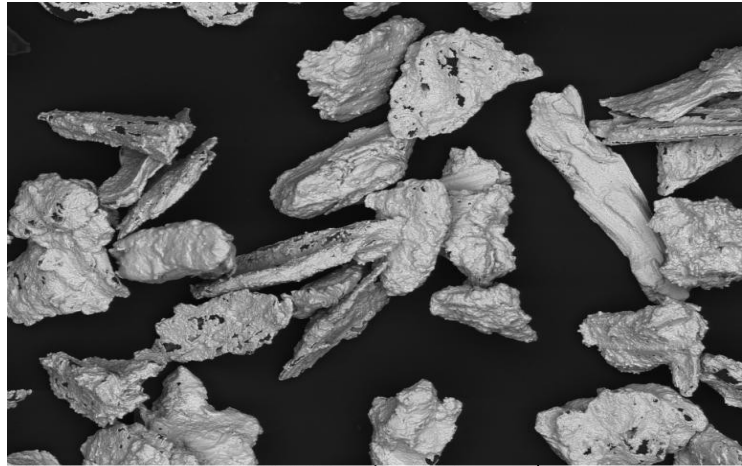
# CONDUCTIVE FILLER



## VNCG 050 - Vapour Nickel Coated Graphite

Weber VNCG advanced powder is the only nickel coated graphite using Weber's proprietary Nickel Vapour Deposition (NVD) Technology. Atom by atom, each grain of graphite is encapsulated with 99.9% pure nickel, maximizing conductivity. The NVD process provides reliable and repeatable product.

VNCG050 is suited for FIP and applications where smaller size filler particles are desirable without sacrificing conductivity or repeatability.



SEM HV: 20.00 kV Det: BSE Detector View field: 452.4  $\mu\text{m}$  100  $\mu\text{m}$  VEGA\\ TESCAN

SGS Canada Inc.

### Typical Analysis

Product	Nickel Content, wt%	Particle Size Distribution, $\mu\text{m}$			Tap Density, g/cc	Apparent Density, g/cc	Volume Resistivity, m $\Omega$ -cm
		D10	D50	D90			
VNCG050	57-63	35	50	80	1.8	1.2 - 1.5	3 - 3.4

- C of A with Particle Size Distribution, Apparent Density and Nickel Content provided with every batch
- Mastersizer 3000 for Particle Size Distribution
- Nominal screen analysis (RoTap) available
- Onsite testing equipment for Tap Density and Volume Resistivity
- R&D coating apparatus for custom product development (including alternative substrates) is available
- Ability to coat both spherical and non-spherical substrates
- Standard packaging (MOQ): 55lbs/25kg pails
- Maximum crating: 18 pails/wooden pallet
- Volume Resistivity tested in silicone rubber
- Typical applications include: Adhesives, Transfer Tapes, Conductive Elastomers and Sealants

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