



Monodispersed, highly zeta positive nanodiamond plating additive for electroless nickel plating

Carbodeon uDiamond® Plating Additive specific characteristics of the solid material in dispersion

▶ Nanodiamond crystal size	4 -6 nm
▶ Nanodiamond content	≥ 97 wt.%
▶ Oxidisable carbon content	≤ 2.5 wt.%
▶ Metallic incombustible impurity content	≤ 1.2 wt.%

Carbodeon uDiamond® Plating Additive specific characteristics in the dispersion

▶ Media	Aqueous
▶ pH of dispersion	6 – 8
▶ Concentration of nanodiamonds in dispersion	2.0 wt. %
▶ Zeta potential	Highly positive

Main application areas include

- ▶ Low phosphorus electroless nickel plating
- ▶ Medium phosphorus electroless nickel plating
- ▶ High phosphorus electroless nickel plating
- ▶ PTFE electroless nickel plating
- ▶ H-BN electroless nickel plating