Datasheet
16-06-2014

uDiamond® D
Hydrogen

Monodispersed, highly zeta positive hydrogen terminated nanodiamond dispersion in water

Carbodeon uDiamond® Hydrogen D specific characteristics of the solid material in dispersion

Nanodiamond crystal size	4.0 -6.0 nm
Nanodiamond content	≥ 97 wt.%
Oxidisable carbon content	≤ 2.5 wt.%
Metallic incombustible impurity content	≤ 1.2 wt.%
Crystal lattice constant	0.3573 ± 0.0005 nm

Carbodeon uDiamond® Hydrogen D specific characteristics in the dispersion

pH of dispersion	6 – 8
Concentration of nanodiamonds in dispersion	2.5 wt. %
Zeta potential	highly positive

Main application areas include

- Polymer thermal compounds
- Polymer coatings
- CVD seeding
- Polishing fluids and pastes
- Medical and biological applications
- Coolants

Carbodeon
SUPERHARD NANOMATERIALS

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