

BRIGHT®

Metal-Coated Powder

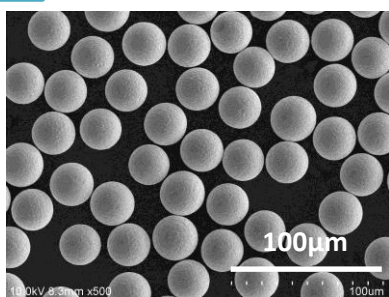
● Introduction

BRIGHT is a hybrid electroconductive powder coated with high quality metals (Au, Ni and Pd, etc.) by an advanced electroless plating method.

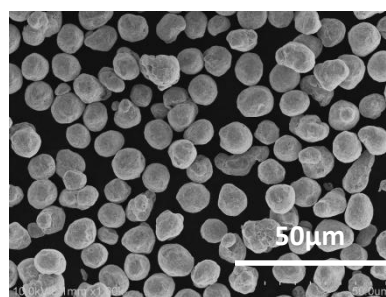
● Features

- Various kinds of core particles (Material, Size and Particle Size Distribution, etc..)
- Capability to control Metal thickness and surface form (smooth or spiky)
- Superior adhesion of metal on core particle to have higher reliability

● SEM images



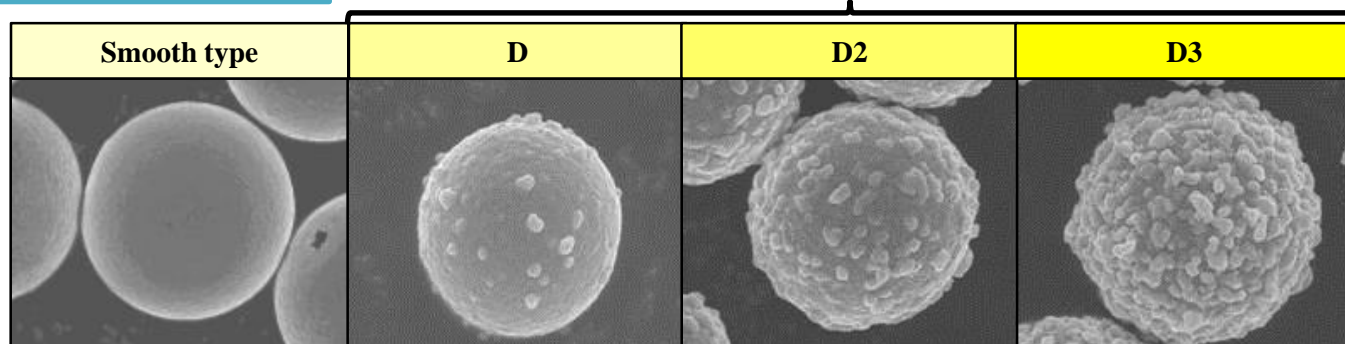
6GNR30-MX (× 500)
Au-Ni coated resin particles



7GNM8-NiS (× 1000)
Au coated Ni particles

● Surface morphology

Spiky type (D type)



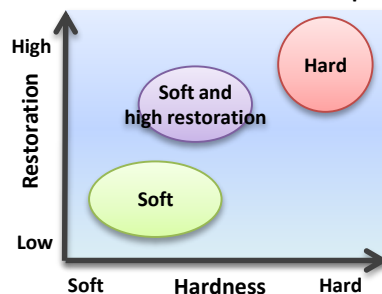
● Product line

- Core particle : Resin or Ni particles etc.
- Particle size : 2.5~50μm (Depends on core particles)
- Hardness : Capable to introduce upon customers request
- Metal thickness : Ni : 50nm~200nm, Au : 10nm~40nm
- Surface morphology : Smooth or Spiky

● Application

Conductive fillers for Anisotropic Conductive Paste and Film (ACP and ACF), Conductive spacers for LCD panel etc.

Hardness of resin based conductive particles



NIPPON CHEMICAL INDUSTRIAL
SPECIALTY PRODUCTS SALES DEPARTMENT
tel. 03-3636-8292 / fax. 03-3636-8140
<https://www.nippon-chem.co.jp/>