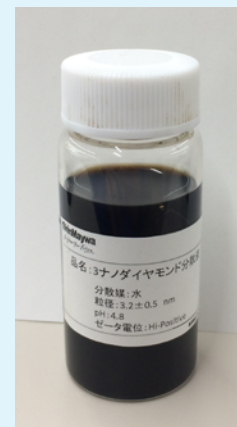


Nano Diamond dispersion

Successfully produced nano diamond dispersion with the world's smallest particle size. Applicable to wide variety of products.

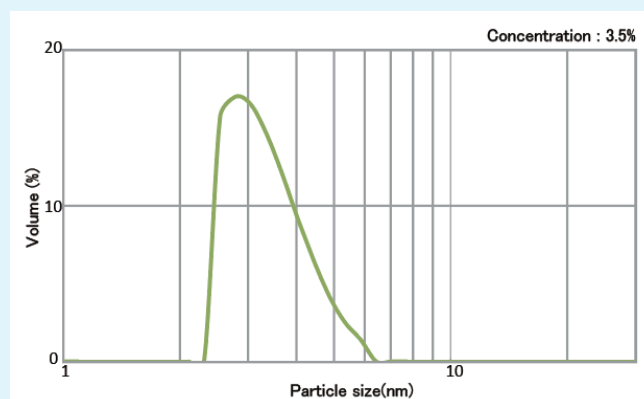
Features

- Successfully dispersed primary particle with our unique process
- Clean process without using chemicals for dispersion
- Stably maintained dispersion in the long-term
- Possible to produce dispersion with positive or negative ζ -potential



Specifications

Product	Nano Diamond Aqueous Dispersion
Particle size	2.7 - 3.5nm
pH	4 - 5
ζ -potential	45 - 55mV



Application examples

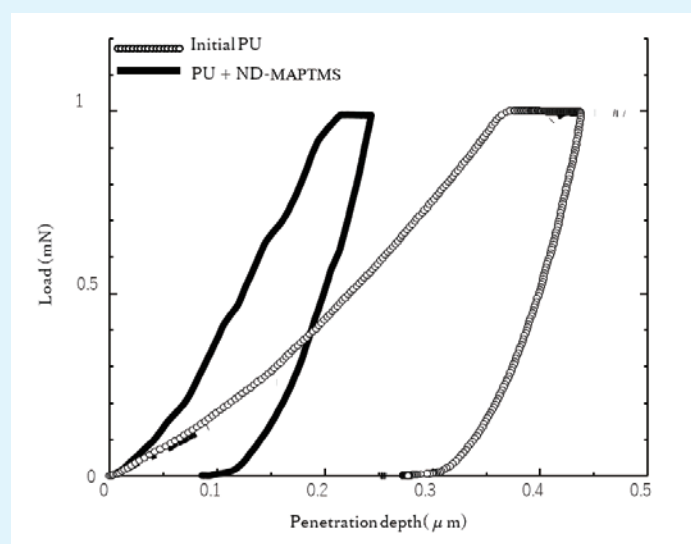
- Paint admixture
- Lubricant
- Filler in resin
- Filler in metal plating

※Please contact us for any development of new applications

Ex. : Polyurethane paint admixture

Paint hardness increases approximately twice with nano-diamond

Improvement of scratch resistance!



Hardness comparison by a nano indenter