

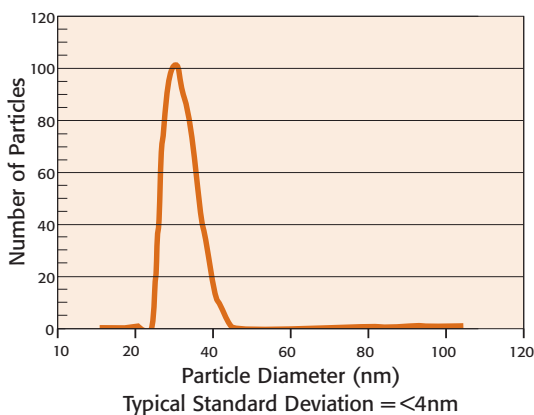


The nanofine zinc oxide for transparent long lasting UV protection in industrial coatings

UV PROTECTION

The superior nature of nanoZ™ derives from our patented MCP nanotechnology. The MCP process produces zinc oxide nanoparticles with a very narrow size distribution and minimal agglomeration, resulting in dramatically reduced light scatter in coatings, plastics and textiles. nanoZ™ is manufactured from high purity raw materials to produce the highest quality nano zinc oxide.

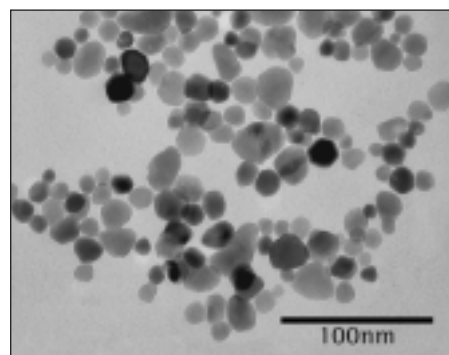
SIZE DISTRIBUTION



Number distribution determined by Photon Correlation Spectroscopy demonstrating:

- discrete particle
- narrow particle size distribution

PARTICLE SIZE

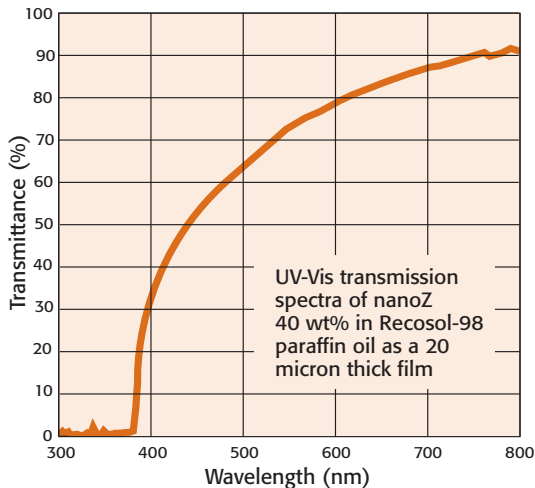


PARTICLE SIZE MEASUREMENT

Electron Micrograph	30nm
XRD crystallite size	25nm
Photon Correlation Spectroscopy	31nm
Specific surface area corresponds to a particle size	30nm

As a guide to nanopowders quality Advanced Nano aims for a close correlation in the above particle size measuring techniques, which, in combination with visible transparency, gives a very good indication of particle size and dispersion.

LIGHT SCATTER



UV/Vis Transmittance Spectrum demonstrating:

- broad spectrum UV blocking
- high transparency

PURITY

Greater than 99% zinc oxide.
Meets BP and USP specifications for heavy metals.

nanoZ™ The clear choice for industrial applications demanding sustained, transparent UV protection.



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