Aluminium Oxide Dispersion ($\text{Al}_2\text{O}_3$) exhibited several potential applications in electronics, optoelectronics, catalysis and thin film coatings. In particular, alumina nanoparticles are expected to play important roles in a variety of relevant applications, and hence, the field has generated important contributions regarding the synthesis and processing of such particles.

**Applications**
- High temperature electrical insulators
- High voltage insulators
- Furnace liner tubes
- Thread and wire guides
- Electronic substrates
- Ballistic armor

**Properties**
- Good electrical insulation
- High mechanical strength
- Excellent wear resistance
- Excellent corrosion resistance
- Low dielectric constant

**Quick Facts**
- Purity: 99.99%
- APS: 1-10nm
- Concentration: Customer requirement
- Dispersing Agent: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
- Form: Slurry, Suspension, Dispersion, Colloidal