

Major Application of Al₂O₃

- 1) Dielectric - electrolysis condensor, solid electrolysis condensor, powder sintering condensor, copy transfer drum
- 2) Insulating - alumite cable, alumite print substrate, hybrid IC board, selective cathode oxidation (LSI), multi-layer electrode CCD
- 3) Electron-conductive - tunnel element, negative resistance element, metal based film transistor
- 4) Magnetic - magnetic alumite, alumite based magnetic disc
- 5) Optical
 - Luminescence - electroluminescence (EL) device, photoluminescence (PL) display panel
 - Color
 - electrolysis coloring - solar heat absorbing plate, electronic radiator
 - electrochromism (EC) device
 - photosensitive alumite plate
- 6) Mechanical - hard alumite, lubricant alumite, speaker vibrator
- 7) Moisture absorptive - alumite moisture sensor, moisture control alumite
- 8) Printable - PS off-set printing plate
- 9) Chemical - catalyst alumite, ion selective membrane
- 10) Other - processing size adjusting function

Major Applications of Pb (Zr, Ti) O₂

filters (ladder filter, trap filter, lead filter, surface wave filter, ceramic filter, discriminator), ultrasonic wave transducer (microphone, speaker, piezoelectric buzzer, probe, various transducers), elements (pick-up element, ignition element, mechanical filter, sensing element for delay line, Baimorph element), resistance heater, thermistor, varistor, gas sensor, condensor, IR detector, optical valve, optical shutter, optical memory, image storage display, deflecting system, light and dulation element, dielectrics for microwave (wired waveguide, covibrator, etc.)