

Structural Characterization and Application of Tio2 Nano-Partical

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Abstract : The structural characteristics & application of TiO₂ powder with different phases are study by various techniques in this paper. TTIP, EG and citric acid use as Ti source and catalyst respectively synthesis for sol gel synthesis of TiO₂ powder. To replace sol gel method we develop the new method of making nano particle of TiO₂ powder. It is two route method one is physical and second one is chemical route. Specific aim to this process is to minimize the production cost and the large scale production of nano particle The synthesis product work characterize by EDAX, SEM, XRD tests.

Keywords : mortal and pestle, nano particle , TiO₂, TTIP

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