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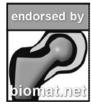
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INFLUENCE OF MECHANICAL ACTIVATION ON MgO-TiO2 SYSTEM

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In this paper the influence of mechanical activation on $MgO-TiO_2$ system has been investigated. Mixtures of $MgO-TiO_2$ were mechanically activated using high-energy planetary ball mill during 0, 5, 10, 20, 40, 80 and 120 minutes. XRD analyses were performed in order to give information about phase composition and to determine variety of microstructure parameters using approximation method. The decrease in powder's particle size was noticed as the time of mechanical activation increased. Also, the effect of tribophysical activation on microstructure was investigated by scanning electron microscopy.