

Applications of High-Intensity Ultrasound on Optimized Polymer Reactive Processing

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In polymer process, ultrasound effect has numerous merits on the improvement of product performance and processability. In addition to the conventional applications, numerous studies have suggested a new possibility as a useful way to induce mechano-chemical degradation in view of providing reactivity in polymeric materials. Some studies have mentioned that this reactive degradation process can be used to control the rheological properties and affect the properties of the final products during polymer melt process.