**Polypropylene Blends with m-EPR Copolymers: Mechanical and Rheological Properties**

Manuscript comprises investigations of the effects of two metallocene ethylene propylene-based elastomers (m-EPR) added as impact modifier (differing in molecular weight and viscosity) on mechanical and rheological properties of polymer blends.

The main goal of this research was to study the mechanical properties of iPP/m-EPR blends and to compare the experimental and calculated results using some custom models for mechanical properties. Interaction study in iPP/m-EPR blends with different content of elastomer was also preformed to estimate the influence of interactivity and possible miscibility of m-EPR elastomers with isotactic polypropylene primary on mechanical properties.