

## **Mechanical, Thermal and Rheological Characterization of Polypropylene/Ethylene Vinyl Acetate Blends**

*Alothman Othman Y., Elleithy Rabeh H, Al-Zahrani Saeed M.*

Polymer blending is usually performed to improve specific properties of a polymer. Various blends of PP/EVA were extruded at different extrusion temperatures and speeds. In this work, mechanical, thermal, and rheological characterization of PP/EVA blends is presented. The main finding is that the extrusion conditions have no significant effects on the properties of the blends. However, the blending ratio was found to be of high importance on the mechanical energy of blends. Data is to be discussed in details.