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**INFLUENCE OF COMPATIBILIZER ON THE RHEOLOGICAL AND MORPHOLOGICAL PROPERTIES OF RECYCLE PET/PC BLENDS**

Zahra Akbari, shahrazad khoramnezhadian, Alireza Mojarad,

*Research Center, Marun Petrochemical Company*

*zahraakbari90@yahoo.com*

This work will focus on the influence of adding compatibilizer on the morphological and rheological properties of recycle poly (ethylene terephthalate)/polycarbonate (PET/PC) blends. The results showed that the phase morphology and rheological properties depends on blend composition. It was observed that the addition of compatibilizer up 12 wt% leads to a significant increase of elasticity and complex viscosity at low frequency. Consequently, the finer phase morphology with homogeneous particle dispersion was obtained. There is an excellent agreement between results of morphological and rheological properties. Also, Carreau-Yasuda can be applied in order to evaluation the rheological behavior of these blends.