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## **Theoretical Predictions and Experimental Validation of the Phase Inversion in PP/PC and PE/PC Blends**

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The conditions necessary to observe the phase inversion in the blends of polypropylene and polyethylene with polycarbonate were investigated by means of an uncomplicated rheological measurement, like MFR, as well by the selective extraction, microscopic observation and mechanical properties of the blend. In this work we compared the experimental results (e.g. morphology and rheological measurements) with the theoretical prediction, using the semi – experimental equations.