



#3311

Polymer Processing

EVALUATION OF THE PROCESSING BEHAVIOR OF POLYMERS
UNDER LAB AND PILOT PLANT SCALE

DESCRIPTION

Study of processing behavior of polymeric materials.
Processing windows of mixtures, composites and nanocomposites.
Optimization of the process of transformation, development and performance. Comparison of formulations.
Evaluation of process aids, degradation studies, and reactive extrusion.

AVAILABLE EQUIPMENT

- Single (L/D= 30) and counterrotating twin screw (L/D= 35) extruders (Gottfert)
- Polypropylene blow molding machine
- Injection molding machine (60 tons)
- Laboratory mixer (Brabender) and minimixer (Atlas)

ADVANTAGES

Processing studies of polymeric materials may be carried out from laboratory to pilot plant scale.

APPLICATIONS

Processing evaluation of new polymer grades and additives | Quality control of raw materials | Solution of processing problems |

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