

reactive polymer processing

Process whereby a polymeric monolith is produced through an *in-situ* polymerization or polymer modification reaction.

Notes:

1. The polymerization or modification reaction and the transformation of the resulting polymer into a shaped product is accomplished in the same processing equipment.
2. This type of processing is commonly accomplished by extrusion or injection moulding.
3. Reaction injection moulding and reinforced reaction injection moulding are types of reactive polymer processing.

Source:

PAC, 2007, 79, 1801 (*Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007)*) on page 1825