

**PROCESS TECHNOLOGY FOR RECOVERING BROMINATED
STYRENIC POLYMERS FROM REACTION MIXTURES IN WHICH
THEY ARE FORMED AND/OR CONVERTING SUCH MIXTURES INTO
PELLETS OR INTO GRANULES OR PASTILLES**

Abstract

Brominated styrenic polymer is recovered from solution in a vaporizable solvent by converting the solution in a devolatilization extruder into a brominated styrenic polymer melt or flow and a separate vapor phase comprised predominately of vaporizable solvent, recovering the melt or flow from the devolatilization extruder, and allowing or causing the melt or flow to solidify. The solidified brominated styrenic polymer can be subdivided into a powder or pelletized form. Pellets so made have improved hardness and/or crush strength properties along with reduced formation of fines. Brominated anionic styrenic polymer is preferably used in the process.

Figure: 1