

**WISCONSIN**
UNIVERSITY OF WISCONSIN-MADISON

Pelletization Gas Guide

[View U.S. Patent No. 11,207,799 in PDF format.](#)

WARF: P170326US01

Inventors: Tim Osswald, Christian Schafer

The Invention

Polymer pellets are formed using laminar gas flow within a downstream gas conduit, as may be implemented consistent with one or more embodiments herein. A gas channel directs gas to an outlet of a polymer extrusion mandrel via which a polymer melt is extruded. A downstream gas conduit extends away from the outlet of the polymer extrusion mandrel, and provides laminar gas flow along the polymer melt extending from the extrusion mandrel, and within the downstream gas conduit. Using this approach, laminar flow can be maintained along an initial portion of the polymer melt, and used to control the subsequent formation of pellets therefrom.

Additional Information

For More Information About the Inventors

- [Tim Osswald](#)

Tech Fields

- [Materials & Chemicals : Polymers](#)

For current licensing status, please contact Michael Carey at mcarey@warf.org or 608-960-9867

