

Polymerize Silicone Compounds

The technology, "Improved Process to Polymerize Silicone Compounds", is a chemical process designed to replace traditional processes used currently for the polymerization of silicones.

This process was designed for the purpose of simplifying the synthesis of polysiloxanes while also reducing the cost and environmental impact associated with existing processes.

Salient Features

- Requires no heat input to drive the process
- Occurs at ambient temperatures
- Reduces environmental and material handling hazards
- Produces a more pure end product and
- Is capable of processing unstable or previously unusable silicones.
- Polysiloxanes have many desirable material properties such as thermal stability, low chemical reactivity, low toxicity, electrical and water resistance, flexibility and non-stick properties

Major Application / End Users

- Industries involved in producing products such as lubricants, fire stop technologies, cookware, medical devices, electronics, textiles, adhesives, hair care products and dry cleaning technologies,