

## Catalloy Resins

Advancing high-tech resins for injection and blow molding applications

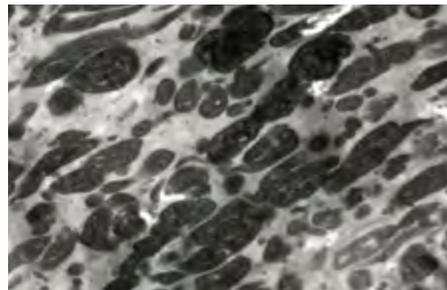


The performance requirements and specification standards for automotive, consumer and industrial molding applications continue to increase, approaching the limits of what can be achieved with current polypropylene (PP) resins, modifiers and Thermoplastic Polyolefin (TPO) formulations. Using propylene-based *Catalloy* resins as the base material or as modifiers for PP, polyethylene (PE) and TPO formulations can maximize the polymer performance envelope for molding applications. With *Catalloy* resins, it is possible to take your product's performance and cost balance to the next level. *Catalloy* resins offer exceptional end-use properties while maintaining lower costs compared to alternatives.

### Product Benefits

- Improved impact while maintaining higher flexural modulus (20-1,200 MPa)
- Broad working temperatures for seasonal, regional and specific applications
- Compatible with both PE and PP
- Enhanced gloss control and soft touch grades
- Processing and handling comparable to conventional PP
- Excellent dimensional stability and shrink control over a broad range of working temperatures

### Uniform Dispersion of Amorphous Phase



Mechanical PP Rubber Blend



Catalloy

### Some Typical Applications



Houseware containers and lids



Soft touch single or multilayer bottles



Caps and closures



Automotive interior



Automotive exterior

# ABOUT US

**LyondellBasell (NYSE: LYB)** is one of the largest plastics, chemicals and refining companies in the world. Driven by its 13,400 employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, and improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road. LyondellBasell sells products into approximately 100 countries and is the world's largest licensor of polyolefin technologies. In 2018, LyondellBasell was named to Fortune Magazine's list of the "World's Most Admired Companies."

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