

# Catalloy resins

Advancing high-tech resins for injection and blow molding applications

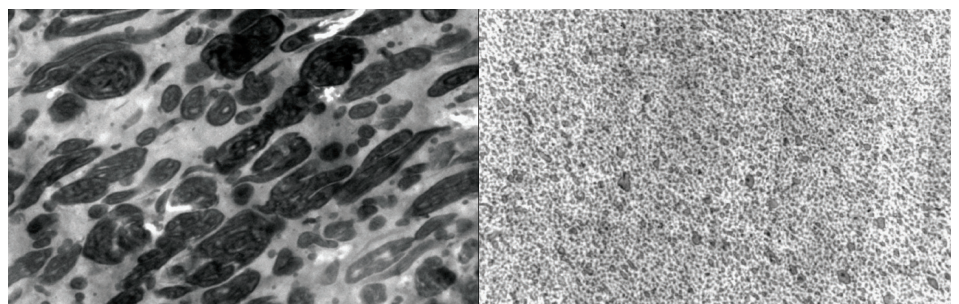


The performance requirements and specification standards for automotive, consumer and industrial molding applications continue to increase, approaching the limits of what can be achieved with current polypropylene (PP) resins, modifiers and Thermoplastic Polyolefin (TPO) formulations. Using propylene-based *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

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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