Discover what Dorf Ketal can do for you.

We are a world leader in organotitanates and organozirconate chemistries, the world’s largest manufacturer, and the only producer with multiple production sites.

- Acquired DuPont’s TYZOR® business in 2010
- Acquired Johnson Matthey’s Vertec® intellectual property in 2011
- Constructed new, world-class organometallics plant in 2011
- Completed extensive ACTivate™ PET catalyst testing and trials in 2012, including bench, pilot and CP line testing, bottle blowing and fiber spinning

Our Houston, Texas-based management team oversees a global organization with sales and warehousing in the United States, Brazil, Belgium and India.

Dorf Ketal production sites hold current ISO 9001, 14001 and OSHAS 18001 certifications.
Our skilled technical support team makes it easy to discover the possibilities, set your priorities, and exploit ACtivate™ catalyst benefits. You can strengthen your market position, improve your bottom line, introduce innovative products and/or simply make more resin.

Increase Throughput
Reduce Resin Costs
Remove Cobalt and Antimony
Offer Differentiated Resins

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TYZOR® ACtivate™ organometallic catalysts do more than replace antimony. You can use them to improve process efficiency, throughput and resin performance in a variety of ways tailored to fit your needs.

INNOVATIVE SOLUTIONS
FOR CHALLENGING PROBLEMS

Better PET for Bottles and Film

ACTivate™ 420 and 422 are hydrolytically stable catalysts designed specifically for PET bottle and film resins.

Slower crystallinity rates provide the foundation for improved resin economics from resin production to hot filling.

 Highly active ACTivate™ 420 and 422 catalysts can polymerize resins at lower temperatures, reducing flavor-degrading acetaldehyde content.

Their superior ligand chemistry delivers melt phase and SSP activity that makes resin with excellent color and aesthetics.

Film resins made with ACTivate™ 420 catalyst have superior physical properties and excellent color and clarity.

Better PET for Fiber

ACTivate™ 450 is a highly effective catalyst on its own, and it may also be used in conjunction with your existing catalyst.

ACTivate™ 450 significantly reduces fiber breakage by reducing deposits on capillaries, spinnerets and pack facings. Maintenance costs and downtime decline, and production time and throughput improve.

Application testing indicates that fiber resins produced with ACTivate™ catalysts will run longer with less pack wiping and fewer pack changes.

Polymer chips were baked on the active surfaces of standard spinnerets for three days at 280 °C to melt and degrade the resins. Both spinnerets were cooled and cleaned with a standard scraper. The spinneret exposed to Sb-catalyzed resin (at left) retained substantially more residue than the spinneret exposed to ACTivate™-catalyzed resin (at right).

Dorf Ketal knowledge and technical support will help you gain a competitive advantage by producing innovative, cost-efficient products that deliver superior in-use performance.

You’ll make the transition to ACTivate™ catalysts quickly and successfully thanks to expert support from start to finish, from batch testing through pilot plant and full-scale plant trials.
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About Dorf Ketal Speciality Catalysts

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