Driving performance in tires

Positioned to win
For decades Eastman Chemical Company has been a proven supplier to the automotive industry. Our solvents and polymers help formulators make durable, efficient, and spectacular coatings—while our tackifiers, advanced interlayers, and plasticizers are found in innovative applications bumper to bumper.

A track record of success
Eastman performance additives enable tire compounders to enhance the strength and durability of tires while also optimizing the wet grip and rolling resistance conflict. Eastman’s performance additives are currently used by tire manufacturers globally who depend on our chemistry, reliable supply chain, technical expertise, and industry leadership.
Three key technology platforms specifically for tires

- **Eastman Crystex™ insoluble sulfur**—A critical step in converting raw rubber to finished rubber is the process of vulcanization, the method of treating rubber with sulfur at great heat to improve the elasticity and strength of rubber. Insoluble sulfur is the vulcanizing agent of choice for the tire industry; its use is critical for the manufacture of quality radial tires. Crystex is a polymeric form of sulfur that is a nonblooming vulcanizing agent for rubber. Its insolubility in rubber prevents sulfur migration and bloom that interfere with the tire building process.

- **Eastman Santoflex™ antidegradants**—Paraphenylenediamines (PPDs), also known as antidegradants, are chemicals that prevent premature aging and degradation of rubber. Santoflex antidegradants prevent premature aging caused by exposure to ozone and oxygen—extending flexibility and service life. The most significant PPD products are those based on the 4-aminodiphenylamine (4-ADPA) intermediate that has reacted with a ketone to produce the final PPD product. Eastman holds a series of patents for its innovative manufacturing process of 4-ADPA.

- **Eastman Impera™ performance resins**—Eastman has been a long-standing, reliable supplier to the automotive industry. Now, through extensive analysis and testing, Eastman offers the most diverse performance resin portfolio for tires consisting of pure monomer resins (PMRs), C5s, and C9s. Our resins enable options to improve wet traction or rolling resistance without negative impacts to wear and other attributes—so you are able to manufacture the best possible performing tire for your customer. Based on your formulating objectives, our global team can assess the critical parameters and efficiently provide specific performance resins for your needs.

**Find out more**
www.eastman.com/tires

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