

Eastman pure monomer resins

What are PMRs?

Pure monomer resins (PMRs) are water-white, highly color-stable resins produced by the polymerization of pure aromatic hydrocarbon monomers such as styrene and alpha-methylstyrene (AMS).

Eastman strives to continue to be the global leader in production and sales of PMRs and differentiated solutions for formulated product industries.

Why use PMRs?

PMRs are compatible with a broad range of polymers, including styrene-butadiene rubber (SBR), styrenic block copolymers (SBC), acrylics, ethylene-vinyl acetate (EVA), and polychloroprene. As a result, they are used in a wide variety of formulations—from adhesives and sealants to waxes, from coatings to plastic and rubber compounds. In adhesives, PMRs may be used to modify the styrene end block of SBCs, allowing for the balance of cohesion, viscosity, and temperature resistance. In plastic compounds, PMRs may be used to control processability and/or improve mechanical and elastic properties. Detailed information on PMRs and their many uses is available at www.eastman.com.

Why Eastman PMRs?

- **Product portfolio**—Eastman offers the broadest range of PMRs. Specific product families include Kristalex™, Plastolyn™, Endex™, Piccotex™, and Piccolastic™ hydrocarbon resins.
- **Innovation**—Eastman is a recognized expert in resin-polymer interaction and has a long history of innovation for the formulated products industries. Today, we are continuing to explore new ways PMRs can help make polymers work in adhesives and sealants, coatings, and thermoplastic elastomer compounds.
- **Security of supply**—Eastman remains the only producer of PMRs with multiple manufacturing facilities. We manufacture PMRs at our integrated plant sites in Jefferson, Pennsylvania, and Middelburg, Netherlands. This provides us flexibility to respond to changes in the marketplace and helps us deliver PMRs on time and in full to customers throughout the globe. Furthermore, PMRs rely upon generally available feedstocks such as styrene and AMS. While no feedstock is safe from unexpected supply problems, PMR feedstocks are less affected by the trend towards "lighter cracking" that is constraining some polymers and other hydrocarbon resin feedstocks. Eastman purchases styrene and AMS from multiple suppliers on contract and spot basis in order to ensure supply of the raw materials we need to help you grow your business.
- **Commitment to growth**—Eastman is committed to growth. With respect to PMRs, we have completed an expansion of manufacturing capacity at our Jefferson plant. When justified, additional capacity can be brought on within 2 years. We can also make capacity available at our facility in The Netherlands.
- **Sustainability**—Although not derived from renewable feedstocks, PMRs are helping drive our customers' sustainability goals by reducing energy consumption and waste. We are using tools such as life cycle analysis to better understand the sustainability of PMRs as well as evaluating ways to reduce their footprint while enabling you to meet your sustainability goals. For more information on sustainability at Eastman, please visit us at www.eastman.com/sustainability.



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