



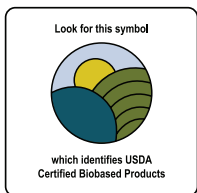
EMEROX® Polyols in Flexible Foam Applications

EMEROX Polyols are engineered for performance. Our polyols provide formulators, fabricators, and end-users with enhanced properties, increased efficiencies, and sustainability. They are excellent materials for use in manufacturing high quality flexible foams and can also be used in CASE applications.

EMEROX Polyols offer significant benefits in a broad range of ester and ether flexible foam applications. They increase hydrophobicity with minimal hydrolytic degradation and provide excellent aliphatic / aromatic hydrocarbon resistance for ester foams and as supplements for ether foams.

Based on well-established, natural-based feedstocks, EMEROX Polyols offer structural similarity to petrochemical polyols, but with high renewable content, all while being cost competitive.

PRODUCT NAME	HYDROXYL VALUE (mg KOH / g)	VISCOSITY (cP @ 25°C)	FUNCTIONALITY (Calc.)	BIO-BASED CONTENT (%)*	APPLICATION DESCRIPTION
EMEROX® I 4050	50	9,000	2.4	80	Slightly branched EG azelate polyester polyol. For ester foams with high elongation. Offers improved mechanical properties and bio-content for ether based flexible foams (molded, visco, conventional, HR).
EMEROX® I 4066	60	12,000	3.1	53	Branched EG azelate polyester polyol for ester foams with increased load bearing properties.
EMEROX® I 4550	50	6,000	2.0	82	Lower viscosity EG azelate polyester polyol. For ester foams with high elongation. Offers improved mechanical properties and bio-content for ether based flexible foams.



*USDA Certified Biobased Product.

Key Benefits

Home Furnishing & Comfort Grades

- Soft, luxurious hand-feel
- Significant source of bio-content
- Improved tensile, tear, elongation
- More hydrophobic
- Substitute polyol at 10-50%
- Potential for improved tear strength
- Builds IFD, potentially reducing co-polymer polyol demand



Molded Foams

- Improved mold flow/filling, especially for MDI systems
- Improved tensile/tear properties to aid in de-molding
- Significant source of bio-content without compromising performance



Ester/Technical Grade Foams

- Enables truly new and unique technical grade foams
- More hydrophobic backbone, but with similar structure to adipate polyols
- Improved moisture resistance properties
- Improved solvent resistant properties
- Up to 100% of the formulation



To request a sample or to find out more about our EMEROX® Polyols, contact polyols@emeryoleo.com or visit www.emeryoleo.com/polyols

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