Aromatic-Containing EMEROX® Polyols for Rigid Foam

Ep Eco-Friendly Polyols

How can EMEROX® Polyols help you improve your rigid foam applications?

EMEROX Polyols are engineered for performance and sustainability. Our polyols provide formulators and end-users with enhanced performance properties, increased efficiencies, and sustainability. They are excellent high renewable content raw materials for use in the manufacture of polyurethane and polyisocyanurate rigid foams.

The family of aromatic EMEROX Polyols is engineered to perform in a broad range of fire-rated and non-fire-rated rigid foam applications, utilizing both hydrocarbon and next-generation fluorocarbon foam blowing agents. Several grades offer improved low temperature insulation performance. Designed to provide excellent blowing agent compatibility and retention, rigid foams made using EMEROX Polyols exhibit improved foam yields and also display excellent compressive strength and dimensional stability properties.

PRODUCT NAME	HYDROXYL VALUE	VISCOSITY CP @25°C	ACID VALUE	FUNCTIONALITY (CALCULATED)	BIO-BASED CONTENT	DESCRIPTION
EMEROX® 14701	230	7,500	≤ 1.5	2.3	48*	Designed for hydrocarbon blown PIR foam. Excellent pentane compatibility and efficiency. Excellent low temperature insulation performance.
EMEROX® 14725	260	6,600	≤ 1.5	2.3	48**	Designed for hydrocarbon blown PIR foam. Excellent pentane compatibility and efficiency. Excellent low temperature insulation performance.
EMEROX® 14730	305	8,000	≤ 1.5	2.3	48*	Designed for PIR/PUR, PiP and other rigid foam applications. Excellent fire performance with good volume/weight retention and char stability.
EMEROX® 14733	320	5,300	≤ 1.5	2.4	64*	Designed for PIR, PiP and other rigid foam applications. Very good fire performance with enhanced functionality and foam mechanical properties.
EMEROX® 14735	265	6,500	≤ 1.5	2.3	48*	Designed for PIR applications. Good hydrocarbon solubility. Good fire performance with foam swelling.
EMEROX® 14737	370	4,000	≤ 1.5	2.3	45**	Designed for PiP and other rigid foam applications. High functionality / low viscosity.

*USDA Certified Biobased Product. ** Bio-based content is an estimate, pending final testing.

USDA CERTIFIED BIOBASED PRODUCT

Aromatic-Containing EMEROX® Polyols for Rigid Foam

Ep Eco-Friendly Polyols

Key Benefits

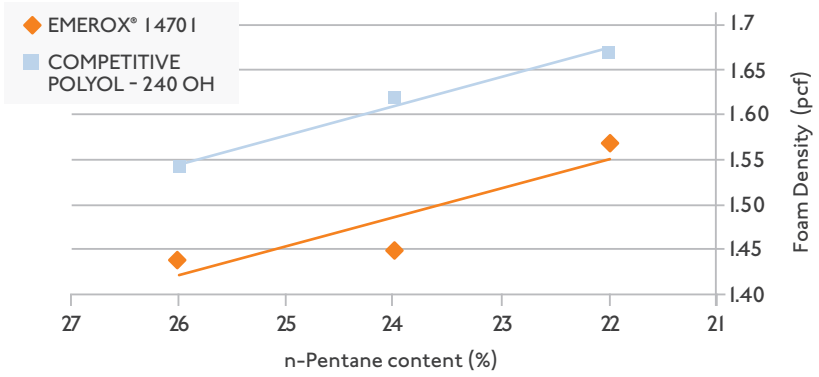
EMEROX® 14700 Series Polyols

- Aromatic content added for specific targeted applications
- Excellent low temperature insulation performance
- Excellent compatibility with various blowing agents (water, hydrocarbons, fluorocarbons)
- Improved blowing agent efficiency / yield
- Used as sole polyol in various rigid PIR and PUR foam systems
- Excellent foam fire performance (intumescence, not shrinkage)
- High renewable content (48%)

EMEROX® 14730 Series Polyols

- Aromatic content added for specific targeted applications and benefits
- Good blowing agent compatibility
- Observed increased yields due to blowing agent compatibility/retention
- Designed to be used as sole polyols; Low viscosity with a range of hydroxyl values
- Excellent fire performance (intumescence, not shrinkage)
- High renewable content (45 - 64%)

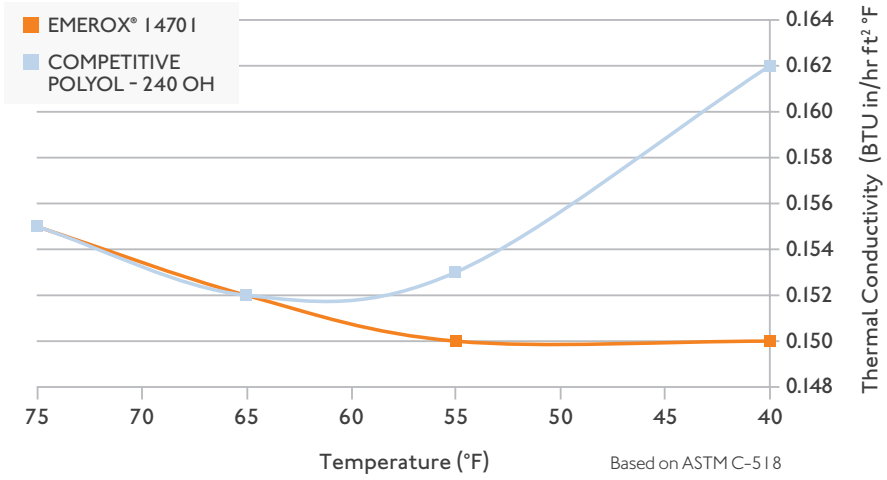
Pentane Blowing Efficiency



Aromatic-containing EMEROX Polyols are designed to work better with blowing agents.

EMEROX® 14701 requires 15% less n-pentane than a typical competitive polyol.

Initial Thermal Conductivity vs Temperature



Based on ASTM C-518

EMEROX® 14701 offers improved low temperature thermal conductivity compared to a typical competitive polyol.

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

Release 08/2018