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BiOH® Polyols

AT A GLANCE

BiOH® POLYOLS

Flexible Foams

BiOH® products are soy based polyols used in creating flexible foams across many industires, disrupting traditional petroleum-based foams. BiOH® polyols bring a renewable option to serve environmentally-concious companies and consumers.

For every 1 million pounds of BiOH® polyols used, up to 2,050 barrels of crude oil are saved.

Cargill technology allows up to 100% replacement of petro polyols, without sacrificing performance. In fact, BiOH® polyols offer businesses today additional benefits over alternative polyols, including better heat dissapation and staying soft at low temperatures.

Industries Served

Mattresses, mattress toppers, pillows

Carpet padding and flooring

Upholstered furniture

Automotive seats

Footwear insoles

Froth Foams

Environmental Benefits

Up to 100% renewable material possible

Foams stay soft at low temperatures

61% reduction in non-renewable energy use

36% less global warming emissions

Can contribute to achieving Level II / III of SSA's Environmental & Safety Program

Up to 23% reduction in total energy demand

Customer Demand	BiOH® Polyol Solution
Softer Foam	Retains memory foam properties. Ability to produce softer visco foams for creating a unique sleep surface or creating unique sleep surfaces
Cooler Bed	Cooler memory foam based on improved heat transfer through foam, up to 30% faster
My Bed	BiOH polyols for every layer of the mattress: conventional, HR & visco
Durability	Improved tear strength for better handling and longer product life

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BiOH® Polyols for Flexible Foams		Applications
BiOH® 2828	Bio-polyol developed for molded flexible foam automotive seats. This product has a low viscosity that allows ease of use. Can be used at 5-8 parts.	Automotive
BiOH® 5000	Leading bio-polyol used in slab stock applications. Customers find success in using up to 30% in flexible foams keeping specifications required for standards in furniture and mattress industry. Can decrease CO2 footprint and VOCs.	Conventional Foams HR Foams
BiOH® 5100	Similar to 5000, best value for slabstock and conventional applications.	Slabstock Conventional
BiOH® 6205	Work force bio-polyol for use in various applications. Low viscosity allows for maximum flowability and flexibility for use in their polyurethane formulas. This product has a typical 98% bio-content according to the ASTM D6866.	Froth Foams
BiOH® 6305	Work force bio-polyol that has successfully been used to improve price of systems in flooring applications Low viscosity allows for maximum flowability and flexibility for use in polyurethane formulas, and typical 98% bio-content according to ASTM D6866.	Froth Foams Turf backing Automotive Flooring Underlay
BiOH® 6405	A versatile product that works well in multiple applications including the flexible foam market. It has a bio-content of 98%.	Carpet backing Froth Foam Flooring Underlay
BiOH® 7050	Fast reactivity with 67% primary hydroxyls. It can help lower glass transition temperatures of viscoelastic foams, allowing for higher comfort levels. Use up to 50% in flexible foam formulations for higher quality foams while decreasing CO2 footprint. Compatible with both MDI and TDI isocyanates.	Mattress/Topperes Molded Pillows Footwear Sporting Equipment

Cargill®