WHY BIO-BASED PRODUCTS?

With society moving towards a circular economy, industries are searching for alternative resources to fossil-based chemistry and increasingly move toward renewable bio-based technologies for the production of chemicals, materials and fuels.

HUNTSMAN – AN INNOVATIVE SUPPLIER OF BIO-BASED TECHNOLOGIES COMBINED WITH ISOCYANATES

The automotive industry experiences a revolutionary switch towards sustainability in both manufacturing and use of vehicles by focusing on lightweight materials, alternative powertrains and the adoption of bio-based products.

Huntsman’s commitment to support the automotive sustainability goal is reflected in the ongoing development of technologies, that incorporate increasingly higher levels of bio-based components while improving performance and maintaining quality consistency.

Our bio-based chemistry is compatible with Huntsman’s MDI pre-polymer technologies. Meeting both automotive specification requirements and performance expectations, these bio-based systems and pre-polymers can help automotive manufacturers to achieve above a 9% level of bio-based content (measured according to ASTM-D6866-12).

BENEFITS OF BIO-BASED PRODUCTS FROM HUNTSMAN

- Compatible with existing foaming production installations
- Comparable viscosity to existing technologies – product consistency and mixing is unaffected
- No extra material stream required
- Good curing characteristics, green strength and stability
- Low odour
- Low emission
- Excellent mechanical properties
- Low impact on dynamic performance
OUR FAMILY OF BIO-BASED TECHNOLOGIES

Our range of bio-based technologies offer similar performance levels as current technology solutions and the potential to promote exciting, new and impactful green credentials to OEM’s.

ACOUSTIFLEX® range for advanced acoustic

- **ACOUSTIFLEX® HR BIO** bio-based, High Resiliency (HR) polyurethane flexible foam technology delivers lightweight insulation for closed-pour and open-pour acoustical applications such as carpet inlays, dash insulations and stuffer pads. It is also available as a semi-rigid foam for elastomeric, heavy-layer noise barriers such as wheelhouse, transmission tunnel and pillar cavity fill insulators.

RUBIFLEX® range for better comfort

- **RUBIFLEX® HR BIO** bio-based, High Resiliency (HR) polyurethane flexible foam technology delivers comfort for standard molded seat pad applications with robust processing requirements and offers superior comfort and support for head restraints, armrests and center consoles.

- **RUBIFLEX® H BIO** bio-based, polyurethane semi-flexible foam technology delivers support for molded cut-and-sew Head (H) restraint, armrest and console applications with robust processing requirements.

RUBITRIM® range for luxurious touch and feel

- **RUBITRIM® SR BIO** bio-based, polyurethane Semi-Rigid (SR) foam technology delivers a soft touch in a variety of transportation related molded trim applications including instrument panels and door panels.

STRIVING FOR SUSTAINABILITY

Our new bio-based technology platform continues to support the United Nation Sustainable development most relevant industry goals.

- **8** DESERT WORK and ECONOMIC GROWTH
- **12** RESPONSIBLE CONSUMPTION and PRODUCTION
- **13** CLIMATE ACTION

Maintain high comfort properties and low emission performance

Ensure efficient use of natural resources

Maintain low density high performance for lightweight design fuel efficiency

CONTACT US

A global provider of innovative solutions and one of the leaders in MDI based polyurethanes, Huntsman is proud of their long and successful track record of delivering PU resins for automotive applications including acoustics, seating and composite materials. Huntsman is dedicated to providing our customers with the finest quality of products and services available. Our technical experts are ready to work in partnership with you on your next project and help solve complex design issues with differentiated, bespoke, cost effective solutions.

We invite you to contact us for further information or immediate assistance at polyurethanes_eu@huntsman.com