



DuPont™ Liveo™ Healthcare Solutions forms collaborations to support sustainability goals

DuPont Healthcare improves silicone material circularity by establishing supply chain cooperation to recycle Liveo™ silicone rubber and tubing waste

DuPont's sustainability strategy is grounded in our purpose to empower the world with the essential innovations to thrive and is inspired by the United Nations Sustainable Development Goals (UN SDGs). The strategy is built on three pillars: Innovate, Protect and Empower. Within these pillars, nine 2030 Sustainability Goals continue to shape our innovation portfolio, our operations strategy, and our commitment to our people and communities.



Making these goals a reality for the Liveo™ Healthcare Solutions business is important and requires long-term planning, commitment and creativity.

With this objective, the Liveo™ Healthcare Solutions sustainability roadmap includes projects and actions targeting customer-driven innovation for a sustainable product range, decarbonization of the supply chain and integration of green chemistry principles.

Medical device and pharmaceutical markets and applications require consistent, high-quality silicone elastomers and biopharma tubing. Such standards do not give room for out-of-specification ("off-spec") materials, out-of-shelf-life (expired) materials or production-related waste materials to be reprocessed or used by customers easily.

With an expanded manufacturing capacity for Liveo™ biopharma processing solutions and elastomers, reconsidering the end of life for these materials when they do not meet, *exactly*, the Liveo™ standards for healthcare use is critical in the journey to achieving the sustainability goals DuPont has established by reducing the amount of waste sent to landfills.



The road to a more sustainable supply chain

DuPont Healthcare's multiple recycling programs illustrate our commitment to sustainability, including supply chain decarbonization and economic circularity.

ECO USA, a silicone recycling company in Parkersburg, West Virginia, USA, is the only silicone recycling plant in the U.S. The company recycles more than 8,000 metric tons of silicone every year. In April 2022, ECO USA began recycling off-spec and waste DuPont™ Liveo™ High-Consistency Rubber materials from the DuPont Healthcare Industries Materials Site (HIMS) in Hemlock, Michigan, USA, into polydimethylsiloxane (PDMS) silicone fluid. The project is anticipated to reduce the landfilling of waste from this production line by more than 90%.

A similar recycling program will be implemented for Liveo™ Liquid Silicone Rubber (LSR) later in 2022, and the DuPont Healthcare business also anticipates implementing such a program for our new dedicated healthcare manufacturing site in Cooper River, South Carolina, USA.



For several years, through a relationship with Arrotin Plastic Materials, Inc., silicone Liveo™ Pharma Tubing waste has been ground up and given new life in downstream applications such as playground flooring and track surface materials.

Sustainability at DuPont

For more information about DuPont sustainability goals and progress, visit dupont.com/sustainability.

About DuPont™ Liveo™ Healthcare Solutions

DuPont™ Liveo™ is a globally recognized leader in technology for a broad range of innovations in medical devices, biopharmaceutical processing and pharmaceutical solutions. DuPont high-performance materials help create safer healthcare environments and protect the health of patients and healthcare providers worldwide. We help enable smarter healthcare and positive patient outcomes.



To learn more about DuPont™ Liveo™ Healthcare Solutions, visit liveo.dupont.com.



Smarter Healthcare.
Positive Patient Outcomes.

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