MITSUBISHI CHEMICAL GROUP

The Role of Plastics in a Sustainable Future

Discussions around sustainability often focus on material choices, but the full picture is more complex. When considering factors like energy use, durability, and recyclability, plastics can play a role in reducing waste and carbon impact.

Key Considerations:

Studies show that **PET may have a lower environmental impact than aluminum, glass, and other alternatives** in certain applications.

Lightweight materials like plastics can help reduce energy use in manufacturing and transportation when compared to metal, paper, or cotton.

Like all materials, plastics degrade over time—but recycling and responsible use can extend their lifecycle.

At Mitsubishi Chemical Group (MCG), **we extend the life** of our products through materials innovation. When materials remain strong and durable, that means parts can last longer. For example, parts made with **TIVAR® ultra-high molecular weight polyethylene** help achieve production efficiencies due to its ability to maintain key properties over an extended service temperature range—ensuring those parts stay in use for the long haul.

Our Commitment to Sustainability

MCG continues to take steps toward reducing waste and carbon emissions:

100%
U.S. manufacturing facilities use **renewable energy**

4 out of 6
U.S. plants are **zero waste to landfill** (with a 5th on the way)

Statera™
product line supports a **circular future** without compromising performance

Have questions?

Our teams can provide you with the knowledge you need. Contact your inside sales representative today.

Published April 2025