



Looking for answers about HDPE pipe and the environment?

There are a lot of questions in the ongoing debate about single-use plastics, recycling, and high density polyethylene (HDPE) pipe. Here are answers to some of the big ones.

What is single-use plastic?

A single-use plastic product is a disposable product made with plastic that is intended for one-time use and whose reuse would pose a risk to public health or safety. HDPE pipe – which is typically used for many years (or even decades) and can be recycled at the end of its service life – is not considered single-use plastic.

Why does ocean plastic exist?

Waste does not belong in the environment. Most marine debris comes from mismanaged waste, including from places that have limited waste management infrastructure, trash from storm drains and sewers, mismanaged material (littered, windblown, etc.), and abandoned or discarded fishing gear. Our goal is to find solutions that will help solve the waste issue and keep plastic waste out of the environment as part of a circular economy.

Why is our multigenerational PE4710 resin special, better, and different?

This HDPE resin is designed to excel in water distribution pipe applications. Dow has a track record of over 30 years of providing safe and reliable materials to the water pipe industry and we continue to improve on these products for the future.



What benefit do we provide society?

Dow resins for municipal water applications are effective in preventing water leakage and enable cities to conserve one of society's most precious resources, safe water. HDPE is also a recyclable material option which allows for reuse of manufacturing scrap material.

What innovations have the plastics industry and Dow brought to recycling lately?

- **Design for Recyclability:** Flexible packaging that is recyclable at store drop off.
- **Mechanical recycling:** The Materials Recovery for the Future (MRFF) project is a collaborative effort with a vision to ensure flexible packaging is recycled, and the recovery community captures value from it. MRFF has completed its first year of successful operation at its pilot facility in Pennsylvania.
- **Advanced recycling:** Fuenix will provide Dow with a new feedstock made from recycled plastic waste. This will be used to produce Dow polymers at the Terneuzen facility in The Netherlands.
- **End markets:** We are using post-consumer resin in many applications, such as roads and shrink film.

What is the Alliance to End Plastic Waste?

Dow is a founding member of the Alliance to End Plastic Waste (AEPW), which is



dedicated to developing and scaling solutions that manage plastic waste and promote post-use solutions. The Alliance membership represents global companies and organizations located throughout North and South America, Europe, Asia, Africa, and the Middle East. To date, more than \$1 billion (USD) has been committed to AEPW programs, with a goal of \$1.5 billion over the next five years.

We're extremely excited about these advances as well as our ongoing partnerships with customers and other concerned parties working to eliminate plastic waste and help create a more circular economy.

Please contact the nearest Dow location on the next page or visit us at [dontletitgotowaste.com](https://www.dontletitgotowaste.com) to learn more.

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