



## How can we help **improve** pipeline systems?

Aging, deteriorating pipeline systems are an unfortunate reality all over the world. But the resources they transport and protect – water, natural gas, oil, and more – are much too precious to waste.

That's where Dow's advanced polyethylene (PE) technology and know-how come in. With decades of experience in material science and pipe application development, we're helping produce stronger, tougher, longer lasting pipeline systems for a wide range of uses, including:

- [Microirrigation](#)
- [Municipal & industrial water distribution](#)
- [Natural gas distribution](#)
- Geothermal systems
- Oil & gas gathering
- [Telecommunications conduit](#)
- District energy
- Mining

### Why choose polyethylene from Dow?

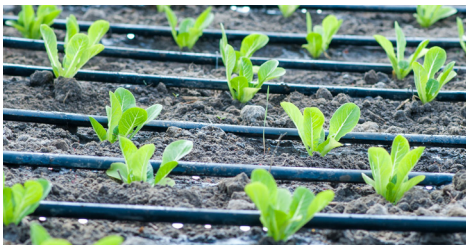
Simply put, our innovative materials support the development of high-performing pipeline systems.

#### Let's dive in deeper:

- **Durability & Performance:** Pipe made with Dow's advanced PE resins offers incredible strength and toughness, with exceptional resiliency and slow crack growth resistance – even under extreme weather conditions. These and other key attributes help enhance pipeline integrity and extend service life.
- **Experience & Reliability:** Dow has a rich history in PE pipe. We collaborate with utilities, brand owners, converters, and other specialists to formulate custom-tailored materials based on specific requirements. And our regional pipe labs offer exclusive testing and analysis to thoroughly assess and fine tune performance and processability.
- **Efficiency & Safety:** The strength and durability of our advanced PE creates opportunities to reduce pipe thickness and use less material while maintaining performance requirements. The resins' inherent flexibility and excellent fusion capabilities support the development of virtually seamless, highly leak-resistant pipelines. Together, these benefits not only allow easier installation with less disruption of communities, but also offer exceptional long-term performance with reduced need for maintenance and replacement.

### Want to learn more about our innovative pipe offerings?

Please [visit us online](#) or contact a Dow representative.



## Did you know?

Our most recent development for [microirrigation tape](#) supports **reduced use of virgin plastic** by allowing downgauging and the incorporation of post-consumer recycled (PCR) plastics.

Dow offers the only PE4710 pipe resin with a **pressure rating at 82°C** in Plastics Pipe Institute (PPI) listings.

In telecommunications, our [innovative materials](#) are **helping improve connectivity** by supporting high-quality fiber optic cable performance along with faster, easier installation and expansion.

Dow collaborates on **forward-thinking projects** such as district energy and geo-exchange systems that support increased energy efficiency and carbon footprint reduction.

Our advanced PE resins also offer strong options for [geomembranes](#) used to **help protect soil and water** from chemicals, toxins, and other harmful materials.

Many pipe resins from Dow carry National Sanitation Foundation/ American National Standards Institute (NSF/ANSI) 61 **drinking water certifications** for potable water.

---

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

THIS INFORMATION IS OFFERED IN GOOD FAITH FOR YOUR CONSIDERATION, BUT WITHOUT GUARANTEE OR WARRANTY (EXPRESS OR IMPLIED), AS ANALYTICAL CONDITIONS AND METHODS OF USE OF THE INFORMATION AND MATERIALS DESCRIBED HEREIN MAY VARY AND ARE OUT OF DOW'S CONTROL. ALTHOUGH THIS INFORMATION IS BASED ON DATA DOW BELIEVES TO BE RELIABLE AND ACCURATE, WE DO NOT INTEND FOR YOU TO USE, AND YOU THEREFORE SHOULD NOT CONSTRUCE, THE CONTENTS OF THIS DOCUMENT AS BUSINESS, TECHNICAL OR ANY OTHER FORM OF ADVICE. WE RECOMMEND YOU DETERMINE THE SUITABILITY OF THE INFORMATION AND MATERIALS DESCRIBED HEREIN BEFORE ADOPTING OR USING THEM ON A COMMERCIAL SCALE. DOW ASSUMES NO LIABILITY IN CONNECTION WITH THE USE OF THIS INFORMATION.

This document is intended for global use.  
© 2024 The Dow Chemical Company