



Plastic Drainage Pipes with Post-Consumer Recycled Content – Now You Can!

Using plastic drainage pipes in public road and infrastructure projects is a common practice, but until recently they haven't contained post-consumer recycled content. But, now they can! Recently AASHTO revised the specification for corrugated HDPE pipe – AASHTO M294 – to allow plastic drainage pipes to be produced using post-consumer recycled content and still meet the rigorous 100 year service life requirements.

Plastic drainage pipes are often made of HDPE plastic (otherwise known as #2). For years, corrugated HDPE pipe made with recycled resins were limited to applications outside the public right-of-way, i.e. agricultural drainage and private storm drainage applications. Several pipe manufacturers are now offering this product with post-consumer recycled (PCR) content that is manufactured to AASHTO M294 standards and is being audit by AASHTO's National Transportation Product Evaluation Program (NTPEP).



PCR HDPE comes from many sources, including:

- Milk and juice bottles
- Detergent bottles
- Shampoo containers

The plastic drainage pipe industry is the largest user of non-food grade HDPE (e.g., detergent and shampoo containers) that is recycled by households.

The Benefits of Using HDPE PCR in Drainage Pipes

When you use products made with PCR content, you have a significant impact on the economy and environment, and they are easy to purchase.

- **Economic advantages** – For residential recycling programs to be financially sustainable, the materials collected have to have a valuable use in a new product. Plastic drainage pipes provide an important outlet for this material, and the result helps to make the recycling economy work.
- **Decrease greenhouse gas climate change impact** - Research suggests using recycled plastics can reduce the carbon footprint of a product from 30% to 50%.
- **Easily usable specifications** – AASHTO M294 provides the language that you need to support an RFQ or other solicitation for infrastructure projects.

Companies offering Plastic Drainage Pipes with PCR Content

Advanced Drainage Systems	https://www.ads-pipe.com/
Crumpler Plastic Pipe	https://cpp-pipe.com/
Fratco	https://fratco.com/
Haviland Drainage Products	http://www.haviland-drainage.com/
Lane Enterprises	https://lane-enterprises.com/
Prinsco	https://prinsco.com/
Timewell	https://timewellpipe.com/