



**Summary of Substantive Changes
between the 2018a and the 2020 editions of
ASTM D2513 “Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings”**

Presented to the IAPMO Standards Review Committee on October 18, 2021

General: The change to this standard should not have an impact on currently listed products. The significant change is:

- Added notes for clarification of regulatory requirements and their relation to rework materials (see Notes 2, and 25)

4. Materials

4.1 General—The PE used to make pipe and fittings shall be PE or reworked PE (see 4.2 and 4.4) and shall have a Plastics Pipe Institute (PPI) long-term hydrostatic design stress and hydrostatic design basis rating.

4.2 Rework Material—Clean rework material of the same commercial designation, generated from the manufacturer’s own pipe and fitting production shall not be used unless the pipe and fitting produced meet all the requirements of this specification. The use of these rework materials shall be governed by the requirements of 4.3 and PPI TN-30/2006. In pipe, rework materials shall be limited to a maximum of 30 % by weight.

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NOTE 2—Regulatory requirements may prohibit the use of rework materials. When regulatory requirements prohibit the use of rework, rework material cannot be used in the production of PE pipe intended for use in natural gas distribution and transmission systems.

7. Marking

7.1 Pipe—Required marking shall consist of the word GAS, the designation ASTM D2513, the manufacturer’s name or trademark, the nominal pipe size including the sizing system used (IPS, CTS, or OD), DR or minimum wall thickness, material designation, and date of Manufacture, and shall be legible, visible, and permanent. To ensure permanence, marking shall be applied so it can only be removed by physically removing part of the pipe wall. The marking shall (1) not reduce the wall thickness to less than the minimum value for the pipe, (2) not have any effect on the long-term strength of the pipe, and (3) not provide leakage channels when elastomeric gasket compression fittings are used to make the joints.

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NOTE 25—When regulatory requirements prohibit the use of rework, the print line will include NR to indicate that the pipe contains no rework.

7.4 Markings for potable water, sewer, reclaimed water, communications or electrical use are prohibited on pipe.