



**Summary of Substantive Changes
between the 2014 and the 2014a editions of
ASTM D3035 “Polyethylene (PE) Plastic Pipe (DR-PR) Based
on Controlled Outside Diameter”**

Presented to the IAPMO Standards Review Committee on October 6, 2014

General: General: The changes to this standard should not have an impact on currently listed products. The substantive changes are:

- The scope of the standard was
 - revised to clarify the intended use of pipe covered (see Section 1.2);
 - expanded to cover polyethylene pipe in iron pipe sizes (IPS) 26 to 65 (see Tables 2 and 3); and
 - expanded to cover polyethylene pipe in ductile iron pipe sizes (DIPS) 3 to 48 (see Table 7).
- Removed the requirements for dimension ratio 9.3 (DR 9.3) (see Tables 3 and 4).

Section 1, Scope: Expanded the scope to include polyethylene pipe in ductile iron pipe sizes and revised the intended use as follows:

1.2 All pipes produced under this specification ~~may be used for the transport of water, industrial process liquids, effluents, slurries,~~ are intended for use as the distribution and transmission of potable and non-potable water, grey water, reclaimed water, wastewater, force main and gravity municipal sewage, etc. The user should consult the manufacturer to determine whether the material being transported is compatible with polyethylene pipe and will not affect the service life beyond limits acceptable to the user.

6.2 Dimensions and Tolerances: Added reference to new Table 7 for PE 4710 DIPS as follows:

6.2.1 Outside Diameters—The outside diameters and tolerances shall be as shown in Table 2 or [Table 7](#) when measured in accordance with Test Method D2122. For diameters not shown in Table 2 or [Table 7](#), the tolerances shall be the same percentage of the outside diameter as those for the closest listed diameter.

6.2.2 Wall Thicknesses—The wall thicknesses and tolerances shall be as shown in Table 3 or [Table 7](#) when measured in accordance with Test Method D2122. For wall thicknesses (DRs) not shown in Table 3 or [Table 7](#), the tolerances shall be the same percentage of the calculated minimum wall as for the closest listed minimum wall thickness.

Table 2, [IPS Pipe - Outside Diameters and Tolerances](#) ~~for DR-PR-PE Plastic Pipe~~: Revised identification of pipe size from NPS to IPS and expanded the table to include 25 through 65-IPS.

Table 3, [IPS Pipe Minimum Wall Thicknesses and Tolerances](#) ~~for DR-PR-PE Plastic Pipe~~: Revised identification of pipe size from NPS to IPS, removed specifications for Dimension Ratio 9.3 and expanded the table to include 25 through 65-IPS.



Table 4, Burst Pressure Requirements for Water at 73°F (23°C) for DR-PR PE Plastic Pipe: Removed the specifications for dimension ratio 9.3.

[Table 7 PE4710 DIPS PR-DR Plastic Pipe—Outside Diameter and Wall Thickness](#): Added specifications for polyethylene pipe in ductile iron pipe sizes 3-DIPS through 48-DIPS.