



## **STATEMENT Q**

### **Plastics Pipe Institute Position Statement on Improved Material Categories for Polyethylene Pressure Pipe**

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The Plastics Pipe Institute (PPI) recognizes that advancements in polyethylene pipe materials have led to higher levels of performance that could not be properly categorized via previous editions of ASTM-based standards systems. For example, PE 3408 materials could be categorized as PE 100 or PE 80 or PE 63 under ISO standards. As a result, PPI in cooperation with the Hydrostatic Stress Board introduced changes to ASTM standards that led to new pipe material designation codes including high performance PE 4710 and PE 2708 designations. See the PPI publication "Pipe Designation Codes" for additional information. These new pipe material designation codes are in ASTM, AWWA, API, ASME and CSA standards, as well as PPI TR-3 and PPI TR-4.

The Plastics Pipe Institute supports performance-based revisions to existing ASTM, AWWA, and CSA standards and related consensus-standards, which will result in improved differentiation of the various PE materials that are currently available, and for PE materials that may become available in the future.

#### References:

- 1) PPI TR-3, "Policies and Procedures for Developing Hydrostatic Design Basis (HDB), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe".
- 2) PPI TR-4, "PPI Listing of Hydrostatic Design Basis (HDB), Pressure Design Basis (PDB), Strength Design Basis (SDB), and Minimum Required Strength (MRS) Ratings for Thermoplastic Piping Materials or Pipe".
- 3) PPI Pipe Designation Codes, "New PE Pipe Material Designation Codes".