Summary of Substantive Changes
between the 2005 and the 2013 editions of
ASTM F405 “Corrugated Polyethylene (PE) Pipe and Fittings”

Presented to the IAPMO Standards Review Committee on October 7, 2013

General: The changes to this standard might have an impact on currently listed products. The major change is:
- Changed the minimum cell classification for PE pipe and fittings
- Updated the referenced standards for PE resins

Section 1, Scope: Updated the explanatory note to clarify that there is overlap between the sizes covered by this standard and ASTM F667 as follows:
1.2 The values stated in inch-pound units are to be regarded as the standard. The values given in parentheses are for information only. Mathematical conversions to SI units that are provided for information only and are not considered standard.
NOTE 1—Sizes 8 to 15 in. Along with sizes 3 to 6 in. covered in this specification, sizes 4 to 24 in. are described in Specification F667.

Section 2, Referenced Documents: Updated the referenced documents as follows:
2.1 ASTM Standards:
- D1248 Specification for Polyethylene Plastics Extrusion Materials for Wire and Cable
- D3350 Specification for Polyethylene Plastics Pipe and Fittings Materials

Section 5, Materials: Changed the minimum cell classification for PE pipe and fittings as follows;
5.1 General—Compounds used in the manufacture of corrugated PE drainage pipe and fittings shall conform with the requirements of Grade P14 Class C, Grade P23 Class C, Grade P33 Class C, or Grade P34 Class C, have a minimum cell classification of 323410C or 333410C as defined and described in Specification D1248D3350. Compounds that have a higher cell classification in one or more properties are acceptable, provided the product requirements are met.