



**Summary of Substantive Changes
between the 2005 and the 2012 editions of
ASTM F1970, “Special Engineered Fittings, Appurtenances or Valves
for use in Poly (Vinyl Chloride) (PVC) or
Chlorinated Poly (VinylChloride) (CPVC) Systems”**

Presented to the IAPMO Standards Review Committee on March 11, 2013

General: Although there are significant changes to this standard, such changes do not have an impact on currently listed products. The major change is:

- Polyamide (nylon) was removed as allowable material for use in components which provide structural integrity of the fitting (see Section 4.3.3).

Section 2. Referenced Documents: Removed the following referenced documents:

Section 2.1 ASTM Standards:

D1898 Practice for Sampling of Plastics (Withdrawn 1998)

D3350 Specification for Polyethylene Plastics Pipe and Fittings Materials

D4066 Classification System for Nylon Injection and Extrusion Materials (PA) (Withdrawn 2012)

Section 4, Materials and Manufacture: Removed Polyamide (nylon) as an allowable materials for use in components which provide structural integrity of the fitting as follows:

Section 4.3:

Materials used in components which provide structural integrity of the fitting or appurtenance shall meet the requirements of 4.3.1, 4.3.2, ~~4.3.3~~ or 4.4.

Section 4.3.3:

~~4.3.3 Polyamide (nylon) materials shall meet the minimum requirements for a cell classification of PA0110, PA0120, PA0210 or PA0220 and shall meet the detail requirements given in Table A or B for classifications A2242 or B4544, as defined in Classification D4066.~~

Section 4.3.4: Removed the requirements of Polyethylene (PE) as follows:

~~4.3.4 Polyethylene (PE) materials shall meet the minimum requirements for a cell classification of 213333 (PE2406, PE3406 or PE3408) as defined in Specification D3350.~~

Section 10, In-Plant Quality Control:

Section 10.1, Sampling: Removed the referenced standard ASTM D1898 as follows:

A sufficient quantity of fittings or appurtenances, as agreed upon between the purchaser and seller, shall be selected from each lot or shipment and tested to determine conformance with this specification (see Practice ~~D1898~~). In the case of no prior agreement, the quantity of samples shown in Table 2 shall be selected randomly and tested. The values shown in Table 2 for dimensions are based on Practice ~~D1898~~, sampling for attributes, random sampling, and the sample size based on the lot size of finished products using General Inspection Level I. Larger lot sizes and sampling plans are given in ~~D1898~~. Additionally,



based on historical testing data, allowance shall be made for tightening or reducing the Inspection Level, as described in Practice ~~D-1898~~ and ANSI/ASQC Z1.4.