Summary of Significant Changes
between the 2005 and 2011 editions of
ASTM F2159, “Plastic Insert Fittings Utilizing Copper Crimp Ring for SDR9 Cross-linked Polyethylene (PEX) Tubing and SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing”

General: The scope of ASTM F2159 was expanded to include requirements for SDR9 polyethylene of raised temperature (PE-RT) tubing, and new classes and grades of unreinforced polyphenylsulfone were added. The changes do not affect current listings.

Title: Revised to include SDR9 Polyethylene of Raised Temperature (PE-RT) Tubing

Section 1.1: polyethylene of raised temperature (PE-RT) tubing was added to the scope.

Section 4.1: and PE-RT tubing that meets the requirements of Specifications F2623 and F2769 was added.

Section 5.1: Revisions are as follows: unreinforced polysulfone (group 01, class 1 grade 1) and unreinforced polyphenylsulfone (group 03, class 1 grade 1) and unreinforced polyphenylsulfone/polysulfone blends (group 04, Class 1, grade 2). Material may also be an unreinforced blend of these two materials with the polyphenylsulfone continuous phase comprising 55 o 80% of the blend. Fittings shall be made from virgin plastic.

NOTE 1: Section heading changed from Section 5.1.1 Discussion in 2005 to NOTE 1 in 2011.

Section 7.1: or PE-RT tubing or both and PE-RT tubing shall meets the requirements of Specifications F2623 and F2769 were added.

Table 1, Hydrostatic burst strength: PE-RT Tubing was added to the title.

Table 2 Hydrostatic sustained pressure: PE-RT Tubing was added to the title.

Section 10: or PE-RT tubing and PE-RT tubing shall meets the requirements of Specifications F2623 and F2769 were added.

Section 15.2.3: PE-RT was added

Section 16.1: PE-RT, polyethylene of raised temperature was added