

**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 to 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