



**CITY OF AUSTIN
STANDARD PRODUCTS LIST**

for

POLYETHYLENE (HDPE) BUTT FUSION FITTINGS, MOLDED (4-INCH AND LARGER)

USING DEPARTMENT: Austin Water **PREPARED BY:** Jeff A. Kyle, P.E. **ISSUED:** 01/01/22

REVISED BY: Jeff A. Kyle, P.E. **REVISED:** 01/01/25

DESCRIPTION: Butt fusion fittings, molded, polyethylene (HDPE) 4-inch and larger nominal diameter meeting the following requirements:

1. Compliance with: AWWA C906
2. Compliance with ASTM D3261
3. Materials Designation Code of PE4710 (Cell Class: 445574C)
4. Ductile Iron Pipe Size (DIPS) OD nominal diameters
5. Minimum Pressure Rating of 200 psi
6. NSF/ANSI 61 for potable use
7. All metal glands used for MJ Adapters shall comply with and be labeled as AWWA C110 or C153.
8. All metal glands used for Flange Adapters shall be ASTM A536 ductile iron, ANSI B16.5 / 150 lb. bolt pattern (Class 150).
9. All metal glands used for MJ and Flange Adapters shall have an epoxy or polyester thermoset powder coat or epoxy electrocoat (e-coat) finish. A top-coat may be applied over the base powder coat or e-coat. Bolts and nuts shall be high-strength low-alloy steel.

| LISTING DATE | MANUFACTURER | PRODUCT IDENTIFICATION/COMMENT | APPROVAL |
|--------------|---|---|----------|
| 01/01/22 | GEORG FISCHER CENTRAL PLASTICS 39605 W. Independence Avenue Shawnee, OK 74804 | Tees 45° Bends Reducers MJ Adapter & Accessory Kits Flange Adapter & Accessory Kits | J. Kyle |
| 01/01/22 | INTEGRITY FUSION PRODUCTS, INC. 270 Parkade Court Peachtree City, GA 30269 | Tees 45° Bends Reducers MJ Adapter & Accessory Kits Flange Adapter & Accessory Kits | J. Kyle |
| 01/01/22 | STRONGBRIDGE INTERNATIONAL, LLC P.O. Box 58177 Jacksonville, FL 32241 | Tees 45° Bends Reducers End Caps Flange Adapter & Accessory Kits | J. Kyle |

NOTES:

1. Fitting material must comply with requirements of the description above and be rated above design pressure.
2. Sizes for wastewater force mains shall be determined based on specific project requirements.
3. These fittings shall only be used for pressurized service with HDPE pipe listed on SPL WW-706 and are not to be used for gravity flow wastewater systems.
4. Each fusion technician must be pre-qualified and possess a current certification issued by an independent, industry-recognized certification organization to make butt fusion joints.

LATEST REVISIONS (Since 01/01/24):

1. Updated SPL name.
2. Updated allowable sizes to 4-inch and larger.
3. Changed acronym for 'polyethylene' from 'PE' to 'HDPE'.