

Risers and Transitions: Transition Risers (continued)

Testing and Compliance

All Georg Fischer Central Plastics Risers meet or exceed the following applicable standards and are subjected to an extensive testing program to ensure consistent performance in the field that is safe, robust and reliable.

Meets or Exceeds Applicable Standards

- DOT Code of Federal Regulations, Title 49, Part 192
- ASTM D2513 - Standard Specification for Thermo plastic gas pressure pipe, tubing, and fittings qualified Category 1 requirements
 - ASTM D1598 - Test Method for Time to Failure of plastic pipe under constant internal pressure (Sustained Pressure Test)
 - ASTM D1599 - Test Method for resistance to short term hydraulic pressure of plastic pipe, tubing and fittings (Quick Burst)
 - ASTM D638 - Test Method for Tensile Testing
- ASTM F1973 - Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings.
 - ASTM E515 - Test Method for Leak Testing
 - ASTM D638 - Test Method for Tensile Testing
 - ASTM F1588 - Test Method Constant Tensile Load Test - ASTM F1973, 7.4 - Test Method for Temperature Cycling Test
- Complies with CSA B137.4
- Listed with IAPMO/UPC (where applicable)
- 100% Factory Leak Tested

Technical Specifications

- Sch 40 & Sch 80 steel gas carrier - ASTM A53 / API 5L
- Pipe threads - ANSI B1.20.1
- Buna O-Ring seal - ASTM D2000
- Welds per API 1104
- Protective coating

All parts are protected with an electrostatically applied fusion-bonded epoxy powder coating specifically designed for the exterior of gas petroleum pipelines.

- 8 mil minimum thickness
- AGA 49 grey
- Cathodic disbondment testing per ASTM G8
- Salt spray testing per ASTM B117
- Impact resistance testing per ASTM G14