Molded Fittings Submittal

This submittal outlines the standards and cell classification for Molded Fittings produced by Performance Pipe.

Performance Pipe Molded Fittings are produced in six different series for application in various industries.

- **DriscoPlex® 8100 series fitting** (IPS or CTS) is an all purpose fitting that meets several application standards. It is produced out of High Performance High Density PE4710. This material code designation meets and exceeds PE3408, PE3608, PE4710 and PE100 submittal requests.

- All **DriscoPlex® medium and high density** fittings are produced with pre-compounded resins and contain no rework.

- **DriscoPlex® 6500 series fittings** are produced of High Performance Medium Density resin. It meets or exceeds PE2406 and 2708 submittal requests.

- **DriscoPlex® 4000 series Ductile Iron Pipe Size (DIPS) fittings** are produced to several manufacturing standards. The fittings are manufactured of High Performance High Density PE4710 resin.

- **PlatinumStripe™ 1800 Series fittings** are manufactured with PE-RT High Performance, High Density PE4710 Resin.

- **Factory Mutual Approved (FMA) DriscoPlex® 1500 series fittings** are manufactured with High Performance High Density PE4710 resin.

- **DriscoPlex® 5300 series fittings** are made for the Geothermal Industry. The fittings are manufactured from High Performance High Density resins that meets or exceeds PE3408, PE3608 and PE4710 submittal requests.

### Table 1

<table>
<thead>
<tr>
<th>Series</th>
<th>Application</th>
<th>Manufacturing Standard</th>
<th>ASTM Material Designation Code</th>
<th>Cell Classification (ASTM D3350)</th>
<th>Sizes of Manufacture</th>
</tr>
</thead>
<tbody>
<tr>
<td>8100</td>
<td>Municipal, Industrial, &amp; Energy, Gas, Water, Sewer, Oil Field, Landfill, Various</td>
<td>ASTM D-2513 AWWA C906 ASTM D-3261 ASTM F-2880 (Flange Adapter)</td>
<td>PE 4710/ PE 100</td>
<td>445574C</td>
<td>¼” - 1¼” CTS ½” - 18” IPS</td>
</tr>
<tr>
<td>6500</td>
<td>Gas Distribution</td>
<td>ASTM D-2513 ASTM D-3261 ASTM D-2683 CAN/CSA-B137.4 U.P. Code</td>
<td>PE 2708/ PE 80</td>
<td>234373E</td>
<td>½” - 1¼” CTS ½” - 8” IPS</td>
</tr>
<tr>
<td>4000 (DIPS)</td>
<td>Municipal &amp; Industrial, Potable Water, Various</td>
<td>AWWA C906 ASTM D-3261</td>
<td>PE 4710</td>
<td>445574C</td>
<td>4’’ - 8” DIPS</td>
</tr>
<tr>
<td>1800</td>
<td>High Temperature Water/ Wastewater, Mining, Power Plants, Pulp/Paper, Industrial, Oil &amp; Gas Gathering</td>
<td>ASTM D-3261 ASTM D-2513 ASTM F-2206 (fabricated) ASTM F-2880 (Flange Adapter)</td>
<td>PE 4710</td>
<td>445574C</td>
<td>2” - 36” IPS</td>
</tr>
<tr>
<td>1500 (IPS)</td>
<td>Factory Mutual Fire Main (FMA)</td>
<td>FM 1613 AWWA 901 &amp; C906 ASTM D-3261 ASTM F-2880 (Flange Adapter)</td>
<td>PE 4710</td>
<td>445574C</td>
<td>2” - 18” IPS</td>
</tr>
<tr>
<td>5300</td>
<td>Geothermal</td>
<td>ASTM D-2683 ASTM D-3261</td>
<td>PE 4710</td>
<td>445574C</td>
<td>3/4” - 8” IPS</td>
</tr>
</tbody>
</table>
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Performance Pipe Mechanical Joint Adapters are manufactured through 12” (IPS & DIPS) sizes.

All other High Density fittings are manufactured of PE4710 High Performance High Density resins.

The applications listed in Table 1 are limited by the table space requirements. Please see the Performance Pipe Municipal, Industrial & Energy Submittal Sheet (PP515) for applications and industries.

Performance Pipe PE4710 fittings meets and exceeds PE3408, PE3608, PE4710, and PE100 submittal requirements.

Table 2

<table>
<thead>
<tr>
<th>Standard</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWWA C-906</td>
<td>Covers manufacturing of pressure pipe and fittings primarily intended for use in the transportation of water and other liquids.</td>
</tr>
<tr>
<td>AWWA C-901</td>
<td></td>
</tr>
<tr>
<td>ASTM D-2513</td>
<td>Covers manufacturing requirements and test methods for fittings intended for use in fuel gas mains and services.</td>
</tr>
<tr>
<td>ASTM D-3261</td>
<td>This Specification covers molded and machined fittings for use with polyethylene pipe for various applications.</td>
</tr>
<tr>
<td>ASTM D-2683</td>
<td>Covers socket-type fittings for outside diameter controlled polyethylene fittings.</td>
</tr>
<tr>
<td>ASTM F-2206</td>
<td>Covers fabricated fittings of butt-fused polyethylene (PE) for various applications.</td>
</tr>
<tr>
<td>ASTM F-2880</td>
<td>This Specification covers molded and machined flange adapters for use with polyethylene pipe for various applications.</td>
</tr>
<tr>
<td>CAN/CSA-B137.4</td>
<td>Covers selected Canadian Standards Association standards for outside diameter controlled gas PE pipe and fittings.</td>
</tr>
<tr>
<td>NSF-61</td>
<td>Selected Performance Pipe high density fittings are produced from NSF 61 listed resin compounds.</td>
</tr>
<tr>
<td>U.P. Code</td>
<td>Selected products are certified to the Uniform Plumbing Code™.</td>
</tr>
</tbody>
</table>

Performance Pipe’s fittings are connected using butt fusion, sidewall fusion, socket fusion, and other mechanical methods, such as flanges, mechanical joint adapters and compression couplings.