Plastics piping system components and related materials

2 Normative references

2.1 Normative references for plastic pipe and related components


Table 5 – ABS pipe testing frequency

<table>
<thead>
<tr>
<th>Test</th>
<th>Potable water</th>
<th>DWV</th>
<th>Sewer</th>
<th>Well casing¹</th>
<th>DWV cellular core</th>
</tr>
</thead>
<tbody>
<tr>
<td>burst pressure²</td>
<td>24 h</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>deflection load and crush resistance</td>
<td></td>
<td></td>
<td></td>
<td>annually</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>pipe OD</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
</tr>
<tr>
<td>pipe wall thickness</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
</tr>
<tr>
<td>pipe out-of-roundness</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
<td>2 h</td>
</tr>
<tr>
<td>flattening resistance</td>
<td>annually</td>
<td>24 h</td>
<td>annually</td>
<td>—</td>
<td>24 h</td>
</tr>
<tr>
<td>impact @ 22.8 °C (73 °F)²</td>
<td>—</td>
<td>24 h</td>
<td>24 h</td>
<td>—</td>
<td></td>
</tr>
<tr>
<td>impact @ 0 °C (32 °F)²</td>
<td>—</td>
<td></td>
<td></td>
<td>24 h</td>
<td>24 h</td>
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<tr>
<td>joint tightness</td>
<td>—</td>
<td></td>
<td></td>
<td>annually</td>
<td></td>
</tr>
<tr>
<td>stiffness</td>
<td>—</td>
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<td>—</td>
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<tr>
<td>sustained pressure</td>
<td>annually</td>
<td></td>
<td></td>
<td>—</td>
<td>24 h</td>
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<tr>
<td>tup puncture resistance</td>
<td>—</td>
<td></td>
<td></td>
<td>annually</td>
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</tr>
</tbody>
</table>

¹ American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959 <www.astm.org>.
| ash content          | —     | —     | —     | —     | —     | semi-annually |
| ash composition     | —     | —     | —     | —     | —     | semi-annually |
| product standard    | ASTM D1527 | ASTM D2661 | ASTM F628 | ASTM D2751 | ASTM F480 | ASTM F628 |

1 Impact testing shall be performed in accordance with ASTM F480 as referenced in 2 and the specified impact classification of IC-1, IC-2, or IC-3.

2 If one material is continuously used in several machines or sizes, and when a steady-state operation is obtained on each machine, sample selection shall be from a different extruder each day, rotated in sequence among all machines or sizes.