

# DIN EN 12201-1:2025-03 (E)

## Plastics piping systems for water supply, and for drains and sewers under pressure - Polyethylene (PE) - Part 1: General

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>8</b>
<b>3.1</b>	<b>Geometrical characteristics .....</b>	<b>8</b>
<b>3.2</b>	<b>Material definitions .....</b>	<b>10</b>
<b>3.3</b>	<b>Definitions related to material characteristics .....</b>	<b>11</b>
<b>3.4</b>	<b>Definitions related to service conditions .....</b>	<b>12</b>
<b>3.5</b>	<b>Definitions related to joints .....</b>	<b>13</b>
<b>4</b>	<b>Symbols and abbreviated terms .....</b>	<b>13</b>
<b>4.1</b>	<b>Symbols .....</b>	<b>13</b>
<b>4.2</b>	<b>Abbreviated terms .....</b>	<b>14</b>
<b>5</b>	<b>Material .....</b>	<b>14</b>
<b>5.1</b>	<b>Material of the components .....</b>	<b>14</b>
<b>5.2</b>	<b>Compound .....</b>	<b>15</b>
<b>5.2.1</b>	<b>Additives and pigments .....</b>	<b>15</b>
<b>5.2.2</b>	<b>Colour .....</b>	<b>15</b>
<b>5.2.3</b>	<b>Characteristics .....</b>	<b>15</b>
<b>5.3</b>	<b>Fusion compatibility for PE 80, PE 100 and PE 100 RC materials .....</b>	<b>20</b>
<b>5.4</b>	<b>Classification and designation .....</b>	<b>20</b>
<b>6</b>	<b>Effect on water quality .....</b>	<b>21</b>
<b>Annex A (normative) Pressure reduction coefficients .....</b>		<b>22</b>
<b>Annex B (informative) Resistance to rapid crack propagation .....</b>		<b>23</b>
<b>B.1</b>	<b>General .....</b>	<b>23</b>
<b>B.2</b>	<b>Initiation .....</b>	<b>23</b>
<b>B.3</b>	<b>Parameters governing propagation/arrest .....</b>	<b>23</b>
<b>B.4</b>	<b>Test methods .....</b>	<b>24</b>
<b>Annex C (informative) Additional information related to the installation of PE100-RC systems for conventional and non-conventional installations .....</b>		<b>25</b>
<b>C.1</b>	<b>Pipe material .....</b>	<b>25</b>
<b>C.2</b>	<b>Installation conditions .....</b>	<b>26</b>
<b>Bibliography .....</b>		<b>28</b>