

# ISO 15493:2003-04 (E)

Plastics piping systems for industrial applications - Acrylonitrile-butadiene-styrene (ABS), unplasticized poly(vinyl chloride) (PVC-U) and chlorinated poly(vinyl chloride) (PVC-C) - Specifications for components and piping systems; Metric series

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
<b>1</b>	<b>Scope .....</b>	<b>1</b>
<b>2</b>	<b>Normative references .....</b>	<b>2</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>4</b>
<b>4</b>	<b>Symbols and abbreviated terms .....</b>	<b>7</b>
<b>5</b>	<b>Material .....</b>	<b>8</b>
<b>6</b>	<b>General characteristics .....</b>	<b>10</b>
<b>7</b>	<b>Geometrical characteristics .....</b>	<b>10</b>
<b>8</b>	<b>Mechanical characteristics .....</b>	<b>11</b>
<b>9</b>	<b>Physical characteristics .....</b>	<b>11</b>
<b>10</b>	<b>Chemical characteristics .....</b>	<b>12</b>
<b>11</b>	<b>Adhesives .....</b>	<b>12</b>
<b>12</b>	<b>Performance requirements .....</b>	<b>12</b>
<b>13</b>	<b>Classification of components .....</b>	<b>13</b>
<b>14</b>	<b>Design of a thermoplastics piping system for industrial applications .....</b>	<b>13</b>
<b>15</b>	<b>Installation of piping systems .....</b>	<b>13</b>
<b>16</b>	<b>Declaration of compliance .....</b>	<b>14</b>
<b>17</b>	<b>Marking .....</b>	<b>14</b>
<b>Annex A (normative)</b>	<b>Specific characteristics and requirements for industrial piping systems made from acrylonitrile-butadiene-styrene (ABS) .....</b>	<b>16</b>
<b>Annex B (normative)</b>	<b>Specific characteristics and requirements for industrial piping systems made from unplasticized poly(vinyl chloride) (PVC-U) .....</b>	<b>30</b>
<b>Annex C (normative)</b>	<b>Specific characteristics and requirements for industrial piping systems made from chlorinated poly(vinyl chloride) (PVC-C) .....</b>	<b>44</b>
<b>Bibliography .....</b>		<b>62</b>