

# DIN EN ISO 4080:2024-09 (E)

## Rubber and plastics hoses and tubing, and their assemblies - Determination of permeability to gas (ISO 4080:2024)

---

### Contents

Page

European foreword.....	3
Foreword.....	4
<b>1 Scope.....</b>	<b>5</b>
<b>2 Normative references.....</b>	<b>5</b>
<b>3 Terms and definitions.....</b>	<b>5</b>
<b>4 Test pieces.....</b>	<b>6</b>
4.1 Method 1.....	6
4.2 Method 2.....	6
4.3 Method 3.....	6
<b>5 Apparatus.....</b>	<b>6</b>
<b>6 Test conditions.....</b>	<b>7</b>
6.1 Test pieces.....	7
6.2 Test temperature.....	7
6.3 Test gas.....	7
6.4 Test pressure.....	7
<b>7 Procedure.....</b>	<b>7</b>
7.1 General.....	7
7.2 Method 1.....	8
7.3 Method 2.....	8
7.4 Method 3.....	9
<b>8 Expression of results.....</b>	<b>10</b>
<b>9 Test report.....</b>	<b>11</b>
<b>Annex A (informative) Guidance on permeability.....</b>	<b>12</b>
<b>Annex B (informative) Guidance on test methods and their application.....</b>	<b>14</b>
<b>Annex C (informative) Saturated vapour pressure.....</b>	<b>15</b>
<b>Bibliography.....</b>	<b>16</b>