

# ISO 15105-2:2025-11 (E)

## Plastics film and sheeting - Determination of gas-transmission rate - Part 2: Equal-pressure method

---

| <b>Contents</b>  |  | <b>Page</b> |
|--|--|-------------|
| Foreword .....   |  | iv          |
| <b>1</b>   | <b>Scope .....</b>                             | <b>1</b>    |
| <b>2</b>   | <b>Normative references .....</b>              | <b>1</b>    |
| <b>3</b>   | <b>Terms and definitions .....</b>             | <b>1</b>    |
| <b>4</b>   | <b>Principle .....</b>                         | <b>2</b>    |
| <b>5</b>   | <b>Test specimens .....</b>                    | <b>2</b>    |
| <b>6</b>   | <b>Conditioning and test temperature .....</b> | <b>2</b>    |
| <b>6.1</b>   | <b>Conditioning .....</b>                      | <b>2</b>    |
| <b>6.2</b>   | <b>Test temperature .....</b>                  | <b>2</b>    |
| <b>7</b>   | <b>Apparatus and materials .....</b>           | <b>3</b>    |
| <b>7.1</b>   | <b>General .....</b>                           | <b>3</b>    |
| <b>7.2</b>   | <b>Test gas .....</b>                          | <b>3</b>    |
| <b>7.3</b>   | <b>Transmission cell .....</b>                 | <b>3</b>    |
| <b>7.4</b>   | <b>Detection and measurement .....</b>         | <b>3</b>    |
| <b>8</b>   | <b>Diffusion conditions .....</b>              | <b>4</b>    |
| <b>9</b>   | <b>Procedure .....</b>                         | <b>4</b>    |
| <b>10</b>  | <b>Expression of results .....</b>             | <b>5</b>    |
| <b>11</b>  | <b>Precision .....</b>                         | <b>5</b>    |
| <b>12</b>  | <b>Test report .....</b>                       | <b>5</b>    |
| <b>Annex A (normative) Method for the determination of the oxygen-transmission rate using a coulometric sensor .....</b> |  | <b>6</b>    |
| <b>Annex B (normative) Detection by gas chromatography .....</b>   |  | <b>11</b>   |