

エチレン換算需給推移

経済産業省製造産業局素材産業課

(単位：千トン、%)

年別

| 暦年 | 輸出 | | 輸入 | | バランス ①-② | エチレン生産 | | 内需 | | 輸出比率 ①/③ | 輸入比率 ②/内需 |
|------|---------|-------|-------|-------|-------------|---------|-------|---------|-------|-------------|--------------|
| | ① | 前年比 | ② | 前年比 | | ③ | 前年比 | ③+②-① | 前年比 | | |
| 2008 | 1,828.8 | -23.5 | 541.4 | 37.3 | 1,287.4 | 6,882.4 | -11.1 | 5,594.9 | -2.6 | 26.6 | 9.7 |
| 2009 | 2,940.4 | 60.8 | 407.1 | -24.8 | 2,533.3 | 6,912.6 | 0.4 | 4,379.3 | -21.7 | 42.5 | 9.3 |
| 2010 | 2,435.3 | -17.2 | 534.6 | 31.3 | 1,900.7 | 7,017.6 | 1.5 | 5,116.8 | 16.8 | 34.7 | 10.4 |
| 2011 | 2,192.5 | -10.0 | 708.6 | 32.6 | 1,483.9 | 6,689.3 | -4.7 | 5,205.5 | 1.7 | 32.8 | 13.6 |
| 2012 | 1,909.6 | -12.9 | 704.3 | -0.6 | 1,205.3 | 6,145.2 | -8.1 | 4,939.9 | -5.1 | 31.1 | 14.3 |
| 2013 | 2,397.7 | 25.6 | 671.6 | -4.6 | 1,726.0 | 6,695.7 | 9.0 | 4,969.7 | 0.6 | 35.8 | 13.5 |
| 2014 | 2,192.7 | -8.5 | 736.8 | 9.7 | 1,455.9 | 6,647.1 | -0.7 | 5,191.2 | 4.5 | 33.0 | 14.2 |
| 2015 | 2,583.6 | 17.8 | 593.8 | -19.4 | 1,989.8 | 6,883.4 | 3.6 | 4,893.6 | -5.7 | 37.5 | 12.1 |
| 2016 | 2,233.7 | -13.5 | 769.5 | 29.6 | 1,464.2 | 6,278.9 | -8.8 | 4,814.7 | -1.6 | 35.6 | 16.0 |
| 2017 | 2,321.3 | 3.9 | 848.0 | 10.2 | 1,473.3 | 6,530.1 | 4.0 | 5,056.8 | 5.0 | 35.5 | 16.8 |

半期別

| 暦年 | 上下 | 輸出 | | 輸入 | | バランス ①-② | エチレン生産 | | 内需 | | 輸出比率 ①/③ | 輸入比率 ②/内需 |
|------|----|---------|-------|-------|-------|-------------|---------|-------|---------|-------|-------------|--------------|
| | | ① | 前年比 | ② | 前年比 | | ③ | 前年比 | ③+②-① | 前年比 | | |
| 2008 | 上 | 973.5 | -23.5 | 316.5 | 64.8 | 657.0 | 3,570.6 | -8.2 | 2,913.6 | 3.8 | 27.3 | 10.9 |
| | 下 | 855.4 | -23.5 | 224.9 | 11.1 | 630.5 | 3,311.8 | -14.0 | 2,681.4 | -8.6 | 25.8 | 8.4 |
| 2009 | 上 | 1,562.0 | 60.5 | 199.8 | -36.9 | 1362.3 | 3,169.8 | -11.2 | 1,807.5 | -38.0 | 49.3 | 11.1 |
| | 下 | 1,378.4 | 61.1 | 207.3 | -7.8 | 1171.0 | 3,742.8 | 13.0 | 2,571.8 | -4.1 | 36.8 | 8.1 |
| 2010 | 上 | 1,161.3 | -25.7 | 274.7 | 37.5 | 886.6 | 3,352.9 | 5.8 | 2,466.4 | 36.4 | 34.6 | 11.1 |
| | 下 | 1,274.0 | -7.6 | 259.8 | 25.3 | 1014.2 | 3,664.6 | -2.1 | 2,650.4 | 3.1 | 34.8 | 9.8 |
| 2011 | 上 | 1,052.2 | -9.4 | 383.4 | 39.5 | 668.9 | 3,338.8 | -0.4 | 2,669.9 | 8.3 | 31.5 | 14.4 |
| | 下 | 1,140.3 | -10.5 | 325.3 | 25.2 | 815.0 | 3,350.6 | -8.6 | 2,535.5 | -4.3 | 34.0 | 12.8 |
| 2012 | 上 | 895.1 | -14.9 | 361.3 | -5.8 | 533.8 | 2,960.5 | -11.3 | 2,426.7 | -9.1 | 30.2 | 14.9 |
| | 下 | 1,014.4 | -11.0 | 343.0 | 5.5 | 671.4 | 3,184.6 | -5.0 | 2,513.2 | -0.9 | 31.9 | 13.6 |
| 2013 | 上 | 1,164.5 | 30.1 | 338.7 | -6.2 | 825.7 | 3,281.9 | 10.9 | 2,456.1 | 1.2 | 35.5 | 13.8 |
| | 下 | 1,233.2 | 21.6 | 332.9 | -2.9 | 900.3 | 3,413.9 | 7.2 | 2,513.6 | 0.0 | 36.1 | 13.2 |
| 2014 | 上 | 1,086.7 | -6.7 | 397.7 | 17.4 | 689.0 | 3,243.6 | -1.2 | 2,554.6 | 4.0 | 33.5 | 15.6 |
| | 下 | 1,106.0 | -10.3 | 339.2 | 1.9 | 766.8 | 3,403.5 | -0.3 | 2,636.7 | 4.9 | 32.5 | 12.9 |
| 2015 | 上 | 1,392.3 | 28.1 | 314.5 | -20.9 | 1077.8 | 3,369.6 | 3.9 | 2,291.8 | -10.3 | 41.3 | 13.7 |
| | 下 | 1,191.3 | 7.7 | 279.3 | -17.6 | 912.0 | 3,513.8 | 3.2 | 2,601.8 | -1.3 | 33.9 | 10.7 |
| 2016 | 上 | 1,160.8 | -16.6 | 369.5 | 17.5 | 791.3 | 3,147.4 | -6.6 | 2,356.1 | 2.8 | 36.9 | 15.7 |
| | 下 | 1,072.9 | -9.9 | 400.0 | 43.2 | 672.9 | 3,131.5 | -10.9 | 2,458.6 | -5.5 | 34.3 | 16.3 |
| 2017 | 上 | 1,210.0 | 4.2 | 435.2 | 17.8 | 774.8 | 3,238.6 | 2.9 | 2,463.8 | 4.6 | 37.4 | 17.7 |
| | 下 | 1,111.3 | 3.6 | 412.8 | 3.2 | 698.5 | 3,291.5 | 5.1 | 2,593.0 | 5.5 | 33.8 | 15.9 |
| 2018 | 上 | 1,061.8 | -12.2 | 458.1 | 5.3 | 603.7 | 2,992.9 | -7.6 | 2,389.2 | -3.0 | 35.5 | 19.2 |

四半期

| 暦年 | | 輸出 | | 輸入 | | バランス ①-② | エチレン生産 | | 内需 | | 輸出比率 ①/③ | 輸入比率 ②/内需 |
|------|----|-------|-------|-------|-------|-------------|---------|-------|---------|-------|-------------|--------------|
| | | ① | 前年比 | ② | 前年比 | | ③ | 前年比 | ③+②-① | 前年比 | | |
| 2012 | 1Q | 495.2 | -19.0 | 155.7 | 20.0 | 339.5 | 1,543.1 | -12.2 | 1,203.6 | -5.7 | 32.1 | 12.9 |
| | 2Q | 399.9 | -9.2 | 205.6 | -18.9 | 194.3 | 1,417.4 | -10.3 | 1,223.1 | -12.2 | 28.2 | 16.8 |
| | 3Q | 517.6 | -7.7 | 166.7 | -11.3 | 350.9 | 1,577.6 | -7.9 | 1,226.7 | -8.4 | 32.8 | 13.6 |
| | 4Q | 496.8 | -14.2 | 176.3 | 28.4 | 320.5 | 1,607.0 | -1.9 | 1,286.5 | 7.6 | 30.9 | 13.7 |
| 2013 | 1Q | 589.1 | 19.0 | 162.8 | 4.6 | 426.2 | 1,658.9 | 7.5 | 1,232.6 | 2.4 | 35.5 | 13.2 |
| | 2Q | 575.4 | 43.9 | 175.9 | -14.5 | 399.5 | 1,623.0 | 14.5 | 1,223.5 | 0.0 | 35.5 | 14.4 |
| | 3Q | 616.5 | 19.1 | 170.6 | 2.3 | 445.9 | 1,614.1 | 2.3 | 1,168.2 | -4.8 | 38.2 | 14.6 |
| | 4Q | 616.7 | 24.1 | 162.3 | -7.9 | 454.4 | 1,799.8 | 12.0 | 1,345.4 | 4.6 | 34.3 | 12.1 |
| 2014 | 1Q | 587.3 | -0.3 | 182.9 | 12.3 | 404.4 | 1,727.2 | 4.1 | 1,322.8 | 7.3 | 34.0 | 13.8 |
| | 2Q | 499.4 | -13.2 | 214.8 | 22.1 | 284.6 | 1,516.4 | -6.6 | 1,231.8 | 0.7 | 32.9 | 17.4 |
| | 3Q | 499.3 | -19.0 | 185.2 | 8.6 | 314.1 | 1,632.0 | 1.1 | 1,317.9 | 12.8 | 30.6 | 14.1 |
| | 4Q | 606.7 | -1.6 | 153.9 | -5.2 | 452.8 | 1,771.5 | -1.6 | 1,318.7 | -2.0 | 34.2 | 11.7 |
| 2015 | 1Q | 716.9 | 22.1 | 168.8 | -7.7 | 548.1 | 1,767.8 | 2.4 | 1,219.7 | -7.8 | 40.6 | 13.8 |
| | 2Q | 675.5 | 35.3 | 145.7 | -32.2 | 529.8 | 1,601.8 | 5.6 | 1,072.0 | -13.0 | 42.2 | 13.6 |
| | 3Q | 576.1 | 15.4 | 123.5 | -42.5 | 452.6 | 1,728.9 | 14.0 | 1,276.3 | 3.6 | 33.3 | 9.7 |
| | 4Q | 615.2 | 1.4 | 155.8 | 1.2 | 459.4 | 1,784.9 | 0.8 | 1,325.5 | 0.5 | 34.5 | 11.8 |
| 2016 | 1Q | 605.9 | -15.5 | 179.5 | 6.3 | 426.4 | 1,664.6 | -5.8 | 1,238.2 | 1.5 | 36.4 | 14.5 |
| | 2Q | 554.9 | -17.9 | 190.0 | 30.4 | 364.9 | 1,482.8 | -7.4 | 1,117.9 | 4.3 | 37.4 | 17.0 |
| | 3Q | 476.1 | -17.4 | 214.8 | 73.9 | 261.3 | 1,474.6 | -14.7 | 1,213.3 | -4.9 | 32.3 | 17.7 |
| | 4Q | 596.8 | -3.0 | 185.2 | 18.9 | 411.6 | 1,656.9 | -7.2 | 1,245.3 | -6.1 | 36.0 | 14.9 |
| 2017 | 1Q | 618.5 | 2.1 | 209.2 | 16.5 | 409.3 | 1,672.1 | 0.5 | 1,262.8 | 2.0 | 37.0 | 16.6 |
| | 2Q | 591.5 | 6.6 | 226.0 | 18.9 | 365.5 | 1,566.5 | 5.6 | 1,201.0 | 7.4 | 37.8 | 18.8 |
| | 3Q | 552.4 | 16.0 | 211.6 | -1.5 | 340.8 | 1,606.7 | 9.0 | 1,265.9 | 4.3 | 34.4 | 16.7 |
| | 4Q | 558.9 | -6.4 | 201.2 | 8.6 | 357.7 | 1,684.8 | 1.7 | 1,327.1 | 6.6 | 33.2 | 15.2 |
| 2018 | 1Q | 564.2 | -8.8 | 230.5 | 10.2 | 333.7 | 1,600.9 | -4.3 | 1,267.2 | 0.3 | 35.2 | 18.2 |
| | 2Q | 497.6 | -15.9 | 227.6 | 0.7 | 270.0 | 1,392.0 | -11.1 | 1,122.0 | -6.6 | 35.7 | 20.3 |

経済産業省製造産業局素材産業課
(単位：千トン、%)

| 月別 暦年 | 輸出 | | 輸入 | | バランス ①-② | 対イ生産 | | 内需 | | 輸出比率 ①/③ | 輸入比率 ②/内需 | |
|----------|----|-------|--------|------|-------------|-------|-------|-------|-------|-------------|--------------|------|
| | ① | 前年比 | ② | 前年比 | | ③ | 前年比 | ③+②-① | 前年比 | | | |
| 2014 | 1 | 228.9 | 23.5 | 58.9 | -1.7 | 170.0 | 643.7 | 11.5 | 473.7 | 4.8 | 35.6 | 12.4 |
| | 2 | 192.1 | 4.0 | 55.1 | 9.9 | 137.0 | 572.7 | 9.0 | 435.7 | 11.4 | 33.5 | 12.7 |
| | 3 | 166.3 | -24.1 | 68.9 | 30.7 | 97.4 | 510.8 | -8.1 | 413.4 | 6.1 | 32.6 | 16.7 |
| | 4 | 154.2 | -19.7 | 74.8 | 29.0 | 79.4 | 503.2 | -7.9 | 423.8 | 2.8 | 30.6 | 17.7 |
| | 5 | 180.9 | 1.4 | 69.2 | 12.9 | 111.7 | 530.2 | -4.3 | 418.5 | -4.3 | 34.1 | 16.5 |
| | 6 | 164.3 | -11.8 | 70.7 | 25.0 | 93.6 | 483.0 | -7.5 | 389.4 | 4.1 | 34.0 | 18.2 |
| | 7 | 171.2 | -11.6 | 70.5 | 17.7 | 100.7 | 553.5 | 2.1 | 452.8 | 10.9 | 30.9 | 15.6 |
| | 8 | 168.7 | -22.4 | 53.4 | -1.3 | 115.3 | 586.4 | 5.2 | 471.1 | 19.5 | 28.8 | 11.3 |
| | 9 | 159.4 | -22.5 | 61.3 | 8.3 | 98.1 | 492.1 | -4.4 | 394.0 | 7.8 | 32.4 | 15.6 |
| | 10 | 184.5 | -2.4 | 53.9 | -4.6 | 130.6 | 553.1 | -4.5 | 422.5 | -5.4 | 33.4 | 12.8 |
| | 11 | 195.2 | -7.7 | 55.4 | 3.2 | 139.8 | 588.4 | -1.7 | 448.6 | 1.8 | 33.2 | 12.3 |
| | 12 | 227.0 | 5.0 | 44.6 | -14.4 | 182.4 | 630.0 | 1.3 | 447.6 | -2.2 | 36.0 | 10.0 |
| 2015 | 1 | 222.1 | -3.0 | 56.2 | -4.6 | 165.9 | 614.0 | -4.6 | 448.1 | -5.4 | 36.2 | 12.5 |
| | 2 | 213.1 | 10.9 | 54.0 | -2.0 | 159.1 | 565.0 | -1.3 | 405.9 | -6.8 | 37.7 | 13.3 |
| | 3 | 281.6 | 69.3 | 58.6 | -14.9 | 223.0 | 588.8 | 15.3 | 365.8 | -11.5 | 47.8 | 16.0 |
| | 4 | 235.8 | 52.9 | 44.5 | -40.5 | 191.3 | 573.1 | 13.9 | 381.8 | -9.9 | 41.1 | 11.7 |
| | 5 | 215.9 | 19.3 | 52.6 | -24.0 | 163.3 | 531.3 | 0.2 | 368.0 | -12.1 | 40.6 | 14.3 |
| | 6 | 223.8 | 36.2 | 48.6 | -31.3 | 175.2 | 497.4 | 3.0 | 322.2 | -17.3 | 45.0 | 15.1 |
| | 7 | 165.7 | -3.2 | 36.0 | -48.9 | 129.7 | 559.1 | 1.0 | 429.4 | -5.2 | 29.6 | 8.4 |
| | 8 | 210.7 | 24.9 | 43.6 | -18.4 | 167.1 | 595.4 | 1.5 | 428.3 | -9.1 | 35.4 | 10.2 |
| | 9 | 199.7 | 25.3 | 43.9 | -28.4 | 155.8 | 574.4 | 16.7 | 418.6 | 6.2 | 34.8 | 10.5 |
| | 10 | 209.9 | 13.8 | 49.7 | -7.8 | 160.2 | 587.8 | 6.3 | 427.6 | 1.2 | 35.7 | 11.6 |
| | 11 | 214.8 | 10.0 | 49.5 | -10.6 | 165.3 | 583.1 | -0.9 | 417.8 | -6.9 | 36.8 | 11.8 |
| | 12 | 190.5 | -16.1 | 56.6 | 26.9 | 133.9 | 614.0 | -2.5 | 480.1 | 7.3 | 31.0 | 11.8 |
| 2016 | 1 | 192.7 | -13.2 | 56.7 | 0.9 | 136.0 | 600.8 | -2.1 | 464.8 | 3.7 | 32.1 | 12.2 |
| | 2 | 193.2 | -9.3 | 62.1 | 15.0 | 131.1 | 537.2 | -4.9 | 406.1 | 0.0 | 36.0 | 15.3 |
| | 3 | 220.0 | -21.9 | 60.7 | 3.6 | 159.3 | 526.6 | -10.6 | 367.3 | 0.4 | 41.8 | 16.5 |
| | 4 | 209.4 | -11.2 | 72.5 | 62.9 | 136.9 | 530.3 | -7.5 | 393.4 | 3.0 | 39.5 | 18.4 |
| | 5 | 177.3 | -17.9 | 61.8 | 17.5 | 115.5 | 506.3 | -4.7 | 390.8 | 6.2 | 35.0 | 15.8 |
| | 6 | 168.2 | -24.8 | 55.7 | 14.6 | 112.5 | 446.2 | -10.3 | 333.7 | 3.6 | 37.7 | 16.7 |
| | 7 | 158.1 | -4.6 | 67.5 | 87.5 | 90.6 | 499.4 | -10.7 | 408.8 | -4.8 | 31.7 | 16.5 |
| | 8 | 172.0 | -18.4 | 70.6 | 61.9 | 101.4 | 505.0 | -15.2 | 403.6 | -5.8 | 34.1 | 17.5 |
| | 9 | 146.0 | -26.9 | 76.7 | 74.7 | 69.3 | 470.2 | -18.1 | 400.9 | -4.2 | 31.1 | 19.1 |
| | 10 | 179.0 | -14.7 | 73.0 | 46.9 | 106.0 | 519.1 | -11.7 | 413.1 | -3.4 | 34.5 | 17.7 |
| | 11 | 206.6 | -3.8 | 55.8 | 12.7 | 150.8 | 557.8 | -4.3 | 407.0 | -2.6 | 37.0 | 13.7 |
| | 12 | 211.2 | 10.9 | 56.4 | -0.4 | 154.8 | 580.0 | -5.5 | 425.2 | -11.4 | 36.4 | 13.3 |
| 2017 | 1 | 190.8 | -1.0 | 59.6 | 5.1 | 131.2 | 590.1 | -1.8 | 458.9 | -1.3 | 32.3 | 13.0 |
| | 2 | 195.6 | 1.2 | 74.8 | 20.5 | 120.8 | 514.9 | -4.2 | 394.1 | -3.0 | 38.0 | 19.0 |
| | 3 | 232.1 | 5.5 | 74.8 | 23.2 | 157.3 | 567.1 | 7.7 | 409.8 | 11.6 | 40.9 | 18.3 |
| | 4 | 206.6 | -1.3 | 60.2 | -17.0 | 146.4 | 549.8 | 3.7 | 403.4 | 2.5 | 37.6 | 14.9 |
| | 5 | 200.4 | 13.0 | 97.3 | 57.4 | 103.1 | 536.0 | 5.9 | 432.9 | 10.8 | 37.4 | 22.5 |
| | 6 | 184.5 | 9.7 | 68.5 | 23.0 | 116.0 | 480.7 | 7.7 | 364.7 | 9.3 | 38.4 | 18.8 |
| | 7 | 173.1 | 9.5 | 76.5 | 13.3 | 96.6 | 511.9 | 2.5 | 415.3 | 1.6 | 33.8 | 18.4 |
| | 8 | 189.2 | 10.0 | 75.7 | 7.2 | 113.5 | 560.3 | 11.0 | 446.8 | 10.7 | 33.8 | 16.9 |
| | 9 | 190.1 | 30.2 | 59.4 | -22.6 | 130.7 | 534.5 | 13.7 | 403.8 | 0.7 | 35.6 | 14.7 |
| | 10 | 176.8 | -1.2 | 57.0 | -21.9 | 119.8 | 546.0 | 5.2 | 426.2 | 3.2 | 32.4 | 13.4 |
| | 11 | 193.9 | -6.1 | 69.1 | 23.8 | 124.8 | 561.6 | 0.7 | 436.8 | 7.3 | 34.5 | 15.8 |
| | 12 | 188.2 | -10.9 | 75.1 | 33.2 | 113.1 | 577.2 | -0.5 | 464.1 | 9.1 | 32.6 | 16.2 |
| 2018 | 1 | 197.5 | 3.5 | 77.1 | 29.4 | 120.4 | 584.4 | -1.0 | 464.0 | 1.1 | 33.8 | 16.6 |
| | 2 | 169.2 | -13.5 | 73.3 | -2.0 | 95.9 | 522.0 | 1.4 | 426.1 | 8.1 | 32.4 | 17.2 |
| | 3 | 197.5 | -14.9 | 80.1 | 7.1 | 117.4 | 494.5 | -12.8 | 377.1 | -8.0 | 39.9 | 21.2 |
| | 4 | 164.2 | -20.5 | 95.8 | 59.1 | 68.4 | 483.9 | -12.0 | 415.5 | 3.0 | 33.9 | 23.1 |
| | 5 | 174.7 | -12.8 | 70.1 | -28.0 | 104.6 | 499.1 | -6.9 | 394.5 | -8.9 | 35.0 | 17.8 |
| | 6 | 158.7 | -14.0 | 61.7 | -9.9 | 97.0 | 409.0 | -14.9 | 312.0 | -14.5 | 38.8 | 19.8 |
| | 7 | 151.0 | -12.8 | 84.2 | 10.1 | 66.8 | 496.0 | -3.1 | 429.2 | 3.3 | 30.4 | 19.6 |
| | 8 | 157.6 | -16.7 | 75.7 | 0.0 | 81.9 | 517.1 | -7.7 | 435.2 | -2.6 | 30.5 | 17.4 |
| | 9 | 137.5 | -27.7 | 63.8 | 7.4 | 73.7 | 476.1 | -10.9 | 402.4 | -0.3 | 28.9 | 15.9 |
| | 10 | 195.9 | 10.8 | 76.2 | 33.7 | 119.7 | 552.5 | 1.2 | 432.8 | 1.5 | 35.5 | 17.6 |
| | 11 | | -100.0 | | -100.0 | 0.0 | 559.6 | -0.4 | 559.6 | 28.1 | 0.0 | 0.0 |

(注) エチレン換算輸出入は、財務省「貿易統計」を基に主要エチレン系製品をそれぞれの原単位により原料であるエチレンの量に換算した。