

BAIINFO Fluorochemical Weekly

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Fluorite

Review & Analysis

Domestic fluorite powder market prices returned flat. In supply side, fluorite powder production declined slightly. In North China, enterprises maintained steady operation and there was stronger negative sentiment. In East and Central China, some enterprises cut outputs affected by environmental protection policy, supporting the regional markets. In South and Southwest China, enterprises kept low operation rates and fresh deals were scarce recently. In downstream side, AHF market prices extended downtrend in Jul. and aluminum fluoride market also ran bearish, driving down demand for fluorite powder. Fortunately, export trade remained good amid continuous devaluation of RMB and plunging China Containerized Freight Index. As a result, fluorite powder prices consolidated overall. Up to Jul. 6, mainstream deal prices for wet fluorite powder (CaF₂≥97%) were at RMB 3,050-3,150/T in East China, delivered to plants, VAT included. There was some negotiable range for actual transactions based on product quality, trading volume and distance.

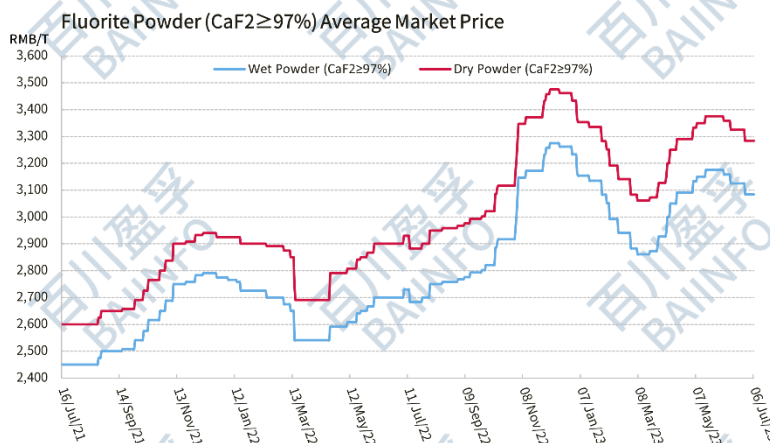
Forecast

Given intensifying supply-demand contradiction, domestic fluorite powder market prices are likely to be stable-to-downward with the fluctuation around RMB 50/T next week. More attention should be paid to environmental protection policy and resumption of downstream plants.

Price Indicators

Fluorite Powder Avg. Market Price (RMB/T, VAT included)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|----------------------------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| CaF ₂ ≥97%, wet | 3,084 | 3,084 | 3,084 | 3,094 | -2.34% | 4.54% | -2.59% |
| CaF ₂ ≥97%, dry | 3,284 | 3,284 | 3,284 | 3,294 | -2.20% | 4.25% | -2.44% |



Fluorite Powder Regional Price (RMB/T, delivered to plants, VAT included)

| Region | Specification | Change | 6-Jul-23 | 29-Jun-23 |
|---------------|----------------------------|--------|-------------|-------------|
| North China | CaF ₂ ≥97%, wet | 0 | 3,050-3,100 | 3,050-3,100 |
| Central China | CaF ₂ ≥97%, wet | 0 | 3,050-3,100 | 3,050-3,100 |
| East China | CaF ₂ ≥97%, wet | 0 | 3,050-3,150 | 3,050-3,150 |
| Region | Specification | Change | 6-Jul-23 | 29-Jun-23 |
| North China | CaF ₂ ≥97%, dry | 0 | 3,250-3,300 | 3,250-3,300 |
| Central China | CaF ₂ ≥97%, dry | 0 | 3,250-3,300 | 3,250-3,300 |
| East China | CaF ₂ ≥97%, dry | 0 | 3,250-3,350 | 3,250-3,350 |

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China's Fluorite Imp. & Exp. Amount in Jan-May 2023

CaF₂≤97% (HS code 25292100)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------------|--------------------|-------------------|-------------------|-------------------|
| Jan. | 51,461,022 | 8,674,309 | 17,953,714 | 7,749,588 |
| Feb. | 42,910,033 | 5,971,253 | 5,538,616 | 2,464,622 |
| Mar. | 50,849,103 | 7,234,334 | 22,239,056 | 9,372,678 |
| Apr. | 61,073,013 | 8,008,156 | 10,252,221 | 4,498,880 |
| May | 78,139,695 | 10,756,088 | 21,300,161 | 9,363,387 |
| Total | 284,432,866 | 40,644,140 | 77,283,768 | 33,449,155 |

CaF₂>97% (HS code 25292200)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------------|----------------|-----------------|-------------------|-------------------|
| Jan. | 1,952 | 7,189 | 20,859,411 | 9,612,150 |
| Feb. | 2,440 | 7,113 | 17,551,263 | 7,968,947 |
| Mar. | 4,025 | 170,787 | 18,156,482 | 8,502,889 |
| Apr. | 2,953 | 10,706 | 22,663,854 | 10,644,576 |
| May | 278,313 | 105,626 | 8,420,700 | 3,668,226 |
| Total | 289,683 | 301,421 | 87,651,710 | 40,396,788 |

China's Fluorite Imp. & Exp. by Countries/Regions in May 2023

CaF₂≤97% (HS code 25292100)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|-------------------|-------------------|-------------------|------------------|
| Myanmar | 2,174,600 | 351,309 | 0 | 0 |
| Mongolia | 72,831,020 | 9,669,672 | 0 | 0 |
| Pakistan | 4,167 | 5,005 | 0 | 0 |
| Thailand | 250,000 | 86,264 | 13,299 | 5,047 |
| Kazakhstan | 1,521 | 1,007 | 0 | 0 |
| Nigeria | 2,456,259 | 551,299 | 0 | 0 |
| South Africa | 415,120 | 83,148 | 0 | 0 |
| United Kingdom | 8 | 1,722 | 0 | 0 |
| Italy | 7,000 | 6,662 | 0 | 0 |
| India | 0 | 0 | 944,464 | 313,637 |
| Indonesia | 0 | 0 | 7,979,899 | 3,617,342 |
| Japan | 0 | 0 | 7,500,349 | 3,326,670 |
| Malaysia | 0 | 0 | 365,700 | 135,841 |
| South Korea | 0 | 0 | 1,042,270 | 386,818 |
| Taiwan of China | 0 | 0 | 615,000 | 327,050 |
| Turkmenistan | 0 | 0 | 7,200 | 3,702 |
| Netherlands | 0 | 0 | 616,850 | 236,740 |
| Poland | 0 | 0 | 100,000 | 45,000 |
| Sweden | 0 | 0 | 1,245,380 | 605,410 |
| Brazil | 0 | 0 | 500,000 | 175,000 |
| United States | 0 | 0 | 306,000 | 162,180 |
| Australia | 0 | 0 | 63,750 | 22,950 |
| Total | 78,139,695 | 10,756,088 | 21,300,161 | 9,363,387 |

CaF₂>97% (HS code 25292200)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|----------------|-----------------|------------------|------------------|
| Japan | 100 | 11,952 | 2,369,000 | 933,780 |
| China | 260 | 711 | 0 | 0 |
| Nigeria | 275,000 | 82,500 | 0 | 0 |
| Sweden | 2,000 | 6,612 | 0 | 0 |
| United States | 953 | 3,851 | 14,000 | 11,200 |
| India | 0 | 0 | 5,443,700 | 2,373,006 |
| Indonesia | 0 | 0 | 27,000 | 13,500 |
| Philippines | 0 | 0 | 46,000 | 28,060 |
| Singapore | 0 | 0 | 40,000 | 24,825 |
| South Korea | 0 | 0 | 232,000 | 123,220 |
| Romanian | 0 | 0 | 44,000 | 20,030 |
| Czech Republic | 0 | 0 | 20,000 | 10,000 |
| Australia | 0 | 0 | 140,000 | 98,620 |
| New Zealand | 0 | 0 | 45,000 | 31,985 |
| Total | 278,313 | 105,626 | 8,420,700 | 3,668,226 |

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AHF

Review & Analysis

Domestic AHF market prices continued dropping in Jul. In upstream side, fluorite powder and sulfuric acid prices were largely unchanged, which could not give clear guidance to AHF market. In supply side, AHF production recovered gradually and the support for overall market decreased. In downstream side, refrigerant industry had entered the slack demand season again and the enterprises mostly held low operation rates, depressing AHF transactions. As of Jul. 6, mainstream deal prices of domestic AHF were at RMB 8,900-9,200/T in East China, delivered to plants, VAT included, in bulk.

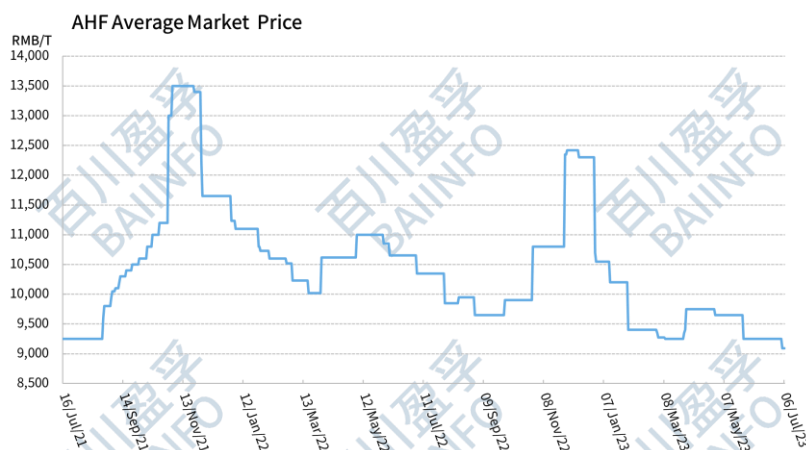
Forecast

On the one hand, feedstock markets generally show weak scenario. On the other hand, downstream demand is hard to kick obviously. Therefore, domestic AHF market prices are expected to hover at low level next week.

Price Indicators

AHF Avg. Market Price (RMB/T, delivered to plants, VAT included)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| AHF | 9,090 | 9,250 | 9,250 | 9,250 | -1.73% | -6.77% | -13.84% |



AHF Regional Price (RMB/T)

| Region | Remarks | Change | 6-Jul-23 | 29-Jun-23 |
|---------------|--|--------|-------------|-------------|
| North China | delivered to plants, VAT included, in bulk | ↓ 275 | 9,050-9,200 | 9,350-9,450 |
| Central China | delivered to plants, VAT included, in bulk | ↓ 250 | 9,000-9,200 | 9,300-9,400 |
| East China | delivered to plants, VAT included, in bulk | ↓ 250 | 8,900-9,200 | 9,250-9,350 |

China's Hydrofluoric Acid Imp. & Exp. Amount in Jan-May 2023

Other Hydrofluoric Acid (HS code 28111190)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------------|---------------|-----------------|-------------------|--------------------|
| Jan. | 17,898 | 22,384 | 23,253,220 | 40,313,293 |
| Feb. | 18,436 | 25,973 | 18,540,683 | 30,788,751 |
| Mar. | 1,047 | 21,004 | 17,970,663 | 28,011,853 |
| Apr. | 395 | 31,170 | 18,293,955 | 28,597,228 |
| May | 35,342 | 69,957 | 20,184,013 | 31,746,656 |
| Total | 37,776 | 100,531 | 78,058,521 | 127,711,125 |

China's Hydrofluoric Acid Imp. & Exp. by Countries/Regions in May 2023

Other Hydrofluoric Acid (HS code 28111190)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|---------------|-----------------|---------------|-----------------|
| Germany | 14 | 693 | 0 | 0 |
| Canada | 128 | 55,011 | 0 | 0 |
| Spain | 0 | 36 | 0 | 0 |
| Japan | 35,200 | 14,217 | 6,460,000 | 11,630,689 |
| South Korea | 0 | 0 | 4,635,670 | 7,469,512 |
| Taiwan of China | 0 | 0 | 2,524,000 | 3,985,515 |
| UAE | 0 | 0 | 1,224,000 | 1,958,904 |
| India | 0 | 0 | 986,100 | 1,222,357 |
| Vietnam | 0 | 0 | 908,400 | 1,117,999 |
| Thailand | 0 | 0 | 696,000 | 818,845 |
| Singapore | 0 | 0 | 630,000 | 923,040 |
| Brazil | 0 | 0 | 621,500 | 780,105 |
| Indonesia | 0 | 0 | 395,500 | 448,477 |
| Malaysia | 0 | 0 | 369,700 | 360,439 |

Other Hydrofluoric Acid (HS code 28111190)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|---------------|-----------------|-------------------|-------------------|
| Argentina | 0 | 0 | 195,500 | 386,184 |
| United States | 0 | 0 | 131,943 | 136,603 |
| Russia | 0 | 0 | 121,400 | 163,325 |
| Turkey | 0 | 0 | 102,300 | 108,244 |
| Cambodia | 0 | 0 | 69,000 | 71,390 |
| Mexico | 0 | 0 | 49,200 | 63,714 |
| Egypt | 0 | 0 | 22,500 | 28,800 |
| Norway | 0 | 0 | 22,000 | 45,600 |
| Ukraine | 0 | 0 | 19,300 | 26,914 |
| Total | 35,342 | 69,957 | 20,184,013 | 31,746,656 |

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Methane Chloride

Review & Analysis

Domestic dichloromethane market prices went up after down. In upstream side, methanol prices were range-bound, while liquid chlorine prices edged up, boosting dichloromethane market to certain degree. In downstream side, R32 market prices slipped and the demand for dichloromethane was still limited. In supply side, dichloromethane production was stable overall, and enterprises mostly operated at medium load. In Shandong, dichloromethane prices registered ups and downs as the inventory pressure was relatively weaker than before. In East China, dichloromethane prices climbed at the low end with steady shipments. In Southwest China, dichloromethane prices were flat overall and fresh deals were rarely seen. As of Jul. 6, mainstream market prices for domestic dichloromethane were at RMB 2,300-2,380/T and RMB 2,300-2,750/T in Shandong and East China respectively, VAT included, in bulk.

Domestic trichloromethane market prices moved down sharply. Cost support for trichloromethane market was largely stable recently. In downstream side, R22 market remained tepid and the demand for trichloromethane had not strengthened. In supply side, trichloromethane enterprises generally held normal operation. In Shandong, trichloromethane prices plummeted further amid sluggish buying interest. In East China, trichloromethane prices also fell with lackluster transactions. In Southwest China, trichloromethane prices were unchanged overall and enterprises mainly fulfilled previous contracts. Till Jul. 6, mainstream market prices for domestic trichloromethane stood at RMB 1,700-1,800/T and RMB 2,200-2,600/T in Shandong and East China respectively, VAT included, in bulk.

Forecast

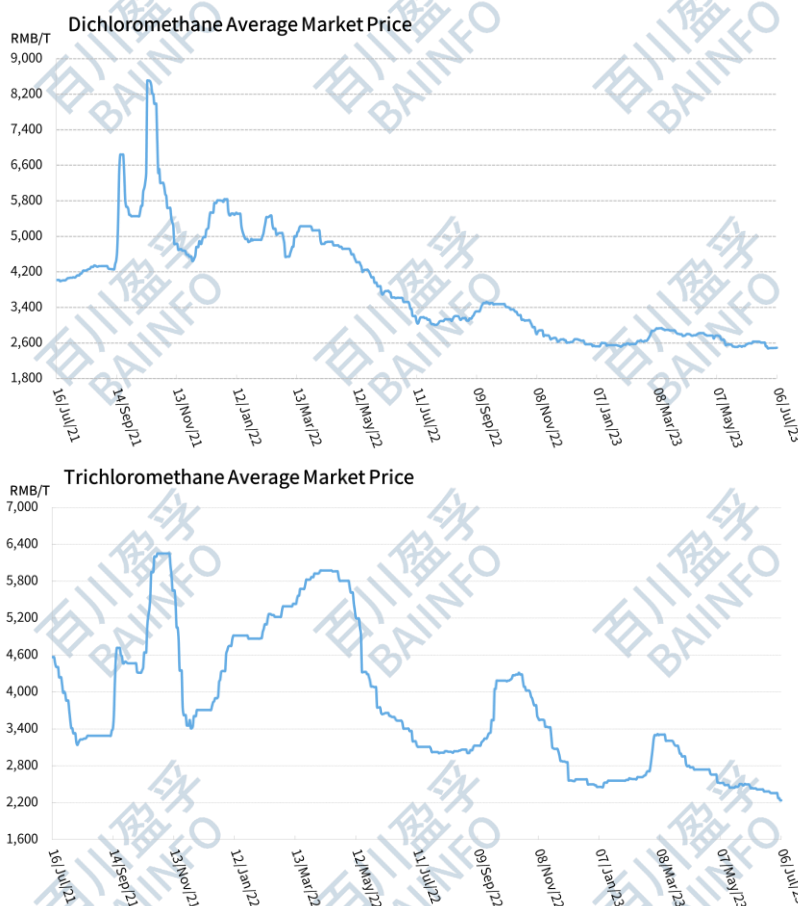
As the cost support is hard to keep strong for a long time and downstream demand is soft overall, domestic dichloromethane and trichloromethane market prices are more possible to stay gloomy with some prices dropping by RMB 30-200/T next week.

Price Indicators

Methane Chloride Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | Region | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|-----------------|--------------------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| Dichloromethane | AHF | 2,340 | 2,332 | 2,330 | 2,323 | 0.43% | -11.53% | 0.65% |
| | Jiangsu & Zhejiang | 2,525 | 2,525 | 2,490 | 2,508 | 1.41% | -14.41% | -4.72% |

| Product | Region | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|------------------|---------------------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| Trichloromethane | Guangdong & Guangxi | 2,650 | 2,650 | 2,650 | 2,656 | -0.09% | -5.36% | 0.95% |
| | Shandong | 1,750 | 1,750 | 2,100 | 2,100 | -16.67% | -30.00% | -21.35% |
| | Jiangsu & Zhejiang | 2,400 | 2,450 | 2,500 | 2,500 | -4.00% | -17.24% | -10.28% |



China's Methane Chloride Imp. & Exp. Amount in Jan-May 2023

Dichloromethane (HS code 29031200)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------------|---------------|-----------------|-------------------|-------------------|
| Jan. | 3,242 | 32,107 | 17,716,298 | 8,066,978 |
| Feb. | 5,125 | 52,863 | 21,661,456 | 9,671,909 |
| Mar. | 9,501 | 87,750 | 20,593,832 | 9,524,154 |
| Apr. | 4,563 | 37,263 | 25,850,289 | 11,111,892 |
| May | 11,458 | 175,000 | 12,916,162 | 6,058,742 |
| Total | 33,889 | 384,983 | 98,738,037 | 44,433,675 |

Trichloromethane (HS code 29031300)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------|---------------|-----------------|---------------|-----------------|
| Jan. | 0 | 0 | 4,096,567 | 1,739,663 |
| Feb. | 0 | 0 | 2,504,270 | 1,141,151 |

| | | | | |
|--------------|-----------|--------------|-------------------|------------------|
| Mar. | 0 | 0 | 2,296,560 | 845,822 |
| Apr. | 53 | 3,074 | 1,840,916 | 797,562 |
| May | 0 | 0 | 364,000 | 163,000 |
| Total | 53 | 3,074 | 11,102,313 | 4,687,198 |

China's Methane Chloride Imp. & Exp. by Countries/Regions in May 2023

Dichloromethane (HS code 29031200)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|---------------|-----------------|---------------|-----------------|
| Algeria | 0 | 0 | 43,200 | 25,512 |
| Argentina | 0 | 0 | 323,730 | 160,986 |
| UAE | 0 | 0 | 3,096,470 | 1,334,200 |
| Egypt | 0 | 0 | 108,000 | 52,503 |
| Angola | 0 | 0 | 43,200 | 20,736 |
| Australia | 0 | 0 | 86,400 | 44,259 |
| Pakistan | 0 | 0 | 172,800 | 77,917 |
| Brazil | 0 | 0 | 751,680 | 378,240 |
| Poland | 0 | 0 | 63,180 | 31,648 |
| Germany | 11,061 | 164,460 | 0 | 0 |
| Togo | 0 | 0 | 172,800 | 84,974 |
| Russia | 0 | 0 | 62,660 | 33,778 |
| Ecuador | 0 | 0 | 21,600 | 9,882 |
| France | 14 | 723 | 0 | 0 |
| Philippines | 0 | 0 | 84,800 | 41,426 |
| Gambia | 0 | 0 | 43,200 | 20,952 |
| Colombia | 0 | 0 | 345,600 | 159,509 |
| Costa Rica | 0 | 0 | 21,600 | 10,512 |
| South Korea | 0 | 0 | 140,000 | 64,166 |
| Honduras | 0 | 0 | 21,600 | 10,024 |
| Djibouti | 0 | 0 | 41,600 | 19,776 |
| Guinea | 0 | 0 | 43,200 | 20,736 |
| Canada | 0 | 0 | 39,322 | 22,027 |
| Ghana | 0 | 0 | 64,800 | 31,860 |
| Gabon | 0 | 0 | 43,200 | 20,952 |
| Cambodia | 0 | 0 | 21,600 | 9,828 |
| Cameroon | 0 | 0 | 43,200 | 21,264 |
| Qatar | 0 | 0 | 21,600 | 11,550 |
| Cote d'Ivoire | 0 | 0 | 194,400 | 98,999 |
| Kuwait | 0 | 0 | 21,600 | 11,601 |
| Kenya | 0 | 0 | 43,200 | 20,298 |
| Lithuania | 0 | 0 | 21,600 | 13,078 |
| Liberia | 0 | 0 | 21,600 | 11,066 |
| Madagascar | 0 | 0 | 21,600 | 10,195 |
| Malaysia | 0 | 0 | 252,800 | 118,262 |
| United States | 118 | 9,285 | 77,918 | 38,534 |
| Bangladesh | 0 | 0 | 583,200 | 281,137 |

| | | | | |
|-----------------|---------------|----------------|-------------------|------------------|
| Peru | 0 | 0 | 129,600 | 59,283 |
| Myanmar | 0 | 0 | 108,000 | 48,600 |
| Morocco | 0 | 0 | 43,200 | 20,585 |
| Mexico | 0 | 0 | 911,520 | 438,275 |
| South Africa | 0 | 0 | 475,200 | 240,766 |
| Nigeria | 0 | 0 | 885,600 | 422,678 |
| Japan | 12 | 113 | 66,000 | 31,342 |
| Salvador | 0 | 0 | 43,200 | 20,080 |
| Serbia | 0 | 0 | 21,600 | 10,368 |
| Senegal | 0 | 0 | 21,600 | 10,260 |
| Saudi Arabia | 0 | 0 | 453,600 | 221,834 |
| Sri Lanka | 0 | 0 | 21,600 | 11,421 |
| Thailand | 0 | 0 | 507,200 | 232,305 |
| Tanzania | 0 | 0 | 86,400 | 43,117 |
| Turkey | 0 | 0 | 328,800 | 141,782 |
| Guatemala | 0 | 0 | 21,600 | 9,615 |
| Spain | 253 | 419 | 0 | 0 |
| Singapore | 0 | 0 | 73,280 | 39,689 |
| New Zealand | 0 | 0 | 21,600 | 10,688 |
| Syria | 0 | 0 | 21,600 | 10,908 |
| Iraq | 0 | 0 | 108,000 | 51,329 |
| Israel | 0 | 0 | 64,802 | 33,531 |
| Indonesia | 0 | 0 | 427,200 | 203,038 |
| Jordan | 0 | 0 | 151,200 | 74,136 |
| Vietnam | 0 | 0 | 620,000 | 282,543 |
| Chile | 0 | 0 | 64,800 | 29,682 |
| Taiwan of China | 0 | 0 | 80,000 | 38,500 |
| Total | 11,458 | 175,000 | 12,916,162 | 6,058,742 |

Trichloromethane (HS code 29031300)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|---------------|-----------------|----------------|-----------------|
| Argentina | 0 | 0 | 240,000 | 105,600 |
| South Korea | 0 | 0 | 80,000 | 37,200 |
| Thailand | 0 | 0 | 24,000 | 10,800 |
| Ukraine | 0 | 0 | 20,000 | 9,400 |
| Total | 0 | 0 | 364,000 | 163,000 |

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R22

Review & Analysis

Domestic R22 market focus stabilized. AHF consumption was not enough and trichloromethane prices maintained weakly. Cost support was insufficient. Actual deals were scarce amid demand-lull season. R22 plants kept stable production amid stalemate. Trading focus of fresh orders moved down. Market may stay in a standstill in Q3. Up to Jul. 6, mainstream deal prices of domestic R22 stood at RMB 18,500-19,500/T, VAT included in East China.

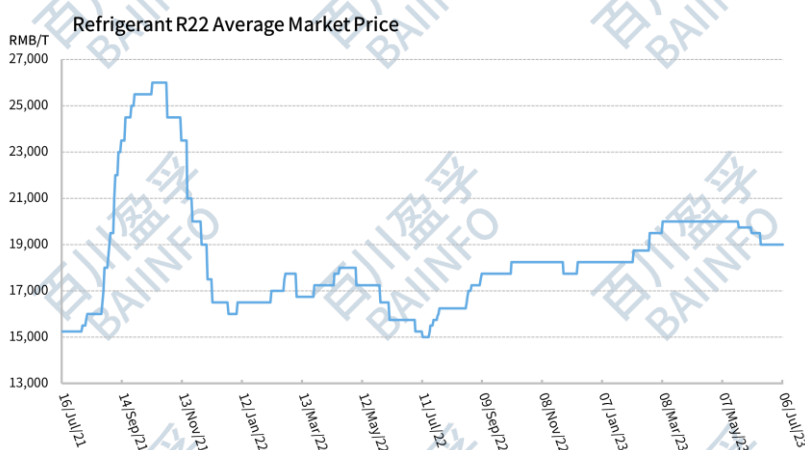
Forecast

Actual deals were curbed by supply-demand stalemate. Considering inventory pressure and scarce deals, domestic R22 market prices are likely to run soft-to-stabilize in the short term.

Price Indicators

R22 Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| R22 | 19,000 | 19,000 | 19,000 | 19,000 | -2.56% | -5.00% | 5.56% |



R22 Regional Price (RMB/T, VAT included, in bulk)

| Region | Change | 6-Jul-23 | 29-Jun-23 |
|----------|--------|---------------|---------------|
| Zhejiang | 0 | 18,500-19,500 | 18,500-19,500 |
| Shandong | 0 | 18,500-19,500 | 18,500-19,500 |
| Jiangsu | 0 | 18,500-19,500 | 18,500-19,500 |

China's R22 Imp. & Exp. Amount in Jan-May 2023

R22 (HS code 29037100)

| Months | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|--------------|---------------|-----------------|-------------------|-------------------|
| Jan. | 0 | 0 | 1,054,971 | 2,448,725 |
| Feb. | 0 | 0 | 7,168,146 | 16,142,821 |
| Mar. | 0 | 0 | 8,731,445 | 20,879,201 |
| Apr. | 0 | 0 | 8,786,996 | 21,061,627 |
| May | 0 | 0 | 8,846,369 | 21,061,226 |
| Total | 0 | 0 | 34,587,927 | 81,593,600 |

China's R22 Imp. & Exp. by Countries/Regions in May 2023

R22 (HS code 29037100)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|-------------------|---------------|-----------------|---------------|-----------------|
| Afghanistan | 0 | 0 | 44,499 | 111,931 |
| Bahrain | 0 | 0 | 18,000 | 40,590 |
| Indonesia | 0 | 0 | 199,030 | 492,390 |
| Iran | 0 | 0 | 295,064 | 794,874 |

R22 (HS code 29037100)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|----------------------------------|---------------|-----------------|---------------|-----------------|
| Iraq | 0 | 0 | 265,832 | 751,178 |
| Japan | 0 | 0 | 2,152,000 | 4,254,525 |
| Jordan | 0 | 0 | 69,598 | 181,756 |
| Kuwait | 0 | 0 | 61,052 | 152,041 |
| Lebanon | 0 | 0 | 33,592 | 85,983 |
| Malaysia | 0 | 0 | 158,448 | 369,206 |
| Oman | 0 | 0 | 29,920 | 76,382 |
| Pakistan | 0 | 0 | 162,656 | 396,792 |
| Philippines | 0 | 0 | 213,627 | 512,963 |
| Qatar | 0 | 0 | 59,160 | 190,074 |
| Saudi Arabia | 0 | 0 | 220,480 | 503,184 |
| Singapore | 0 | 0 | 70,888 | 164,990 |
| South Korea | 0 | 0 | 507,240 | 1,260,399 |
| Syria | 0 | 0 | 13,600 | 32,800 |
| Thailand | 0 | 0 | 608,853 | 1,385,009 |
| UAE | 0 | 0 | 970,558 | 2,411,921 |
| Yemen | 0 | 0 | 13,010 | 37,683 |
| Taiwan of China | 0 | 0 | 3,314 | 8,236 |
| Turkmenistan | 0 | 0 | 9,520 | 24,360 |
| Armenia | 0 | 0 | 3,944 | 10,092 |
| Algeria | 0 | 0 | 134,572 | 337,047 |
| Angola | 0 | 0 | 41,792 | 108,552 |
| Egypt | 0 | 0 | 440,080 | 1,024,639 |
| Gabon | 0 | 0 | 4,760 | 11,725 |
| Ghana | 0 | 0 | 46,920 | 112,268 |
| Cote d'Ivoire | 0 | 0 | 2,040 | 5,370 |
| Kenya | 0 | 0 | 10,608 | 27,636 |
| Liberia | 0 | 0 | 4,760 | 12,250 |
| Libya | 0 | 0 | 83,652 | 222,988 |
| Mauritania | 0 | 0 | 21,080 | 53,243 |
| Morocco | 0 | 0 | 136,850 | 388,935 |
| Nigeria | 0 | 0 | 169,565 | 442,353 |
| Senegal | 0 | 0 | 21,540 | 53,605 |
| South Africa | 0 | 0 | 82,016 | 206,095 |
| Tanzania | 0 | 0 | 31,280 | 76,680 |
| Tunisia | 0 | 0 | 56,614 | 206,276 |
| Democratic Republic of the Congo | 0 | 0 | 9,112 | 23,115 |
| United Kingdom | 0 | 0 | 400,000 | 980,400 |
| Albania | 0 | 0 | 19,743 | 51,284 |
| Moldova | 0 | 0 | 5,196 | 14,240 |
| Serbia | 0 | 0 | 6,188 | 15,470 |
| Argentina | 0 | 0 | 20,349 | 58,970 |

R22 (HS code 29037100)

| Countries/Regions | Imp. Qty (KG) | Imp. Val (US\$) | Exp. Qty (KG) | Exp. Val (US\$) |
|---------------------|---------------|-----------------|------------------|-------------------|
| Bolivia | 0 | 0 | 3,998 | 10,849 |
| Brazil | 0 | 0 | 313,253 | 804,787 |
| Chile | 0 | 0 | 20,074 | 49,361 |
| Colombia | 0 | 0 | 83,503 | 213,625 |
| Costa Rica | 0 | 0 | 10,159 | 24,918 |
| Dominica | 0 | 0 | 21,760 | 50,400 |
| Ecuador | 0 | 0 | 19,720 | 53,485 |
| Honduras | 0 | 0 | 43,322 | 105,179 |
| Mexico | 0 | 0 | 166,944 | 496,989 |
| Panama | 0 | 0 | 91,800 | 215,037 |
| Paraguay | 0 | 0 | 30,151 | 81,309 |
| Peru | 0 | 0 | 53,258 | 134,424 |
| Trinidad and Dubago | 0 | 0 | 14,755 | 36,985 |
| Fiji | 0 | 0 | 33,182 | 81,550 |
| Papua New Guinea | 0 | 0 | 7,888 | 19,828 |
| Total | 0 | 0 | 8,846,369 | 21,061,226 |

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R134a

Review & Analysis

Domestic R134a market focus went downward. Trading focus of actual deals saw downsides. Evident inventory pressure of AHF and lukewarm trade mood of TCE barely supported R134a market. Major R134a producers supplied normally while demand support was insufficient low buying mood from downstream. Price competition resulted in constant downsides of actual trade. Till Jul. 6, mainstream deal prices of domestic R134a were at RMB 21,000-21,500/T, VAT included in East China.

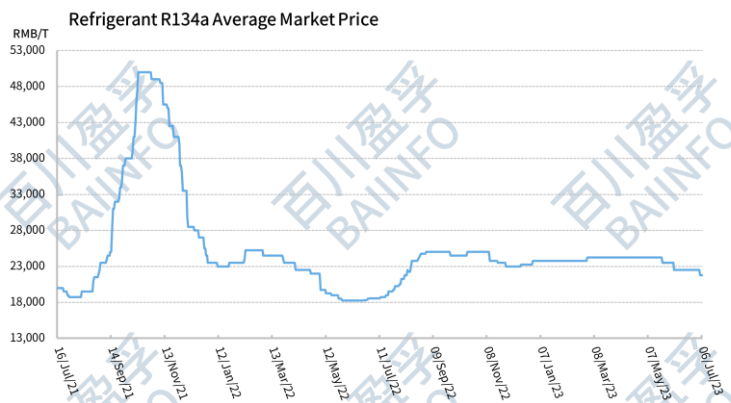
Forecast

Considering insufficient cost support due to downtrend of raw materials and bearish demand, domestic R134a market may run rangebound in weak scenario.

Price Indicators

R134a Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| R134a | 21,250 | 21,812 | 22,500 | 22,500 | -5.56% | -12.37% | -9.57% |



R134a Regional Price (RMB/T, VAT included, in bulk)

| Region | Change | 6-Jul-23 | 29-Jun-23 |
|----------|---------|---------------|---------------|
| Zhejiang | ↓ 1,250 | 21,000-21,500 | 22,000-23,000 |
| Shandong | ↓ 1,250 | 21,000-21,500 | 22,000-23,000 |
| Jiangsu | ↓ 1,250 | 21,000-21,500 | 22,000-23,000 |

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R125

Review & Analysis

Domestic R125 market fluctuated downward. Raw material AHF offers fell by RMB 100/T. Negative forces lied in weak cost support and quiet trade. Demand support was tepid. Supply-demand standstill continued. Up to Jul. 6, mainstream deal prices of domestic R125 ran at RMB 22,000-23,000/T, VAT included in East China.

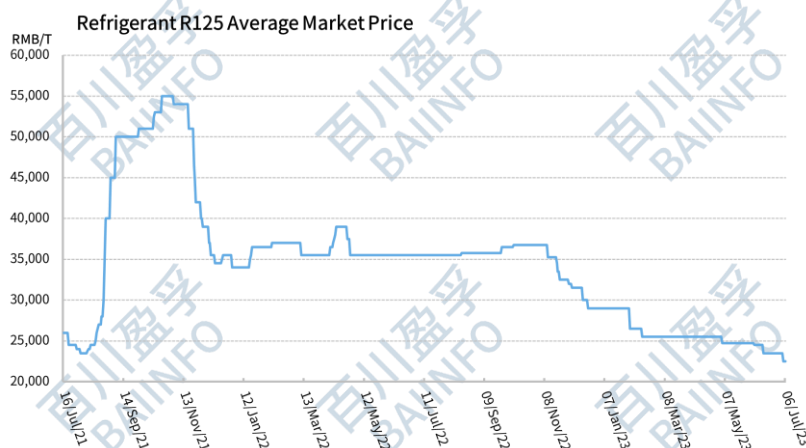
Forecast

Due to insufficient cost support and bearish demand outlooks, domestic R125 market prices may run stable-and-downward with downsides potential in near term.

Price Indicators

R125 Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| R125 | 22,500 | 22,750 | 23,500 | 23,500 | -8.16% | -11.76% | -22.41% |



R125 Regional Price (RMB/T, VAT included, in bulk)

| Region | Change | 6-Jul-23 | 29-Jun-23 |
|----------|---------|---------------|---------------|
| Zhejiang | ↓ 1,000 | 22,000-23,000 | 23,000-24,000 |
| Shandong | ↓ 1,000 | 22,000-23,000 | 23,000-24,000 |
| Jiangsu | ↓ 1,000 | 22,000-23,000 | 23,000-24,000 |

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R32

■ Review & Analysis

Domestic R32 market dropped in weak scenario. Raw material AHF offers fell by RMB 100/T. Due to insufficient cost support, oversupply, bearish demand, as well as strong watching mood, plants were hard to firm offers. Till Jul. 6, mainstream deal prices for domestic R32 were at RMB 13,000-13,500/T, VAT included in East China.

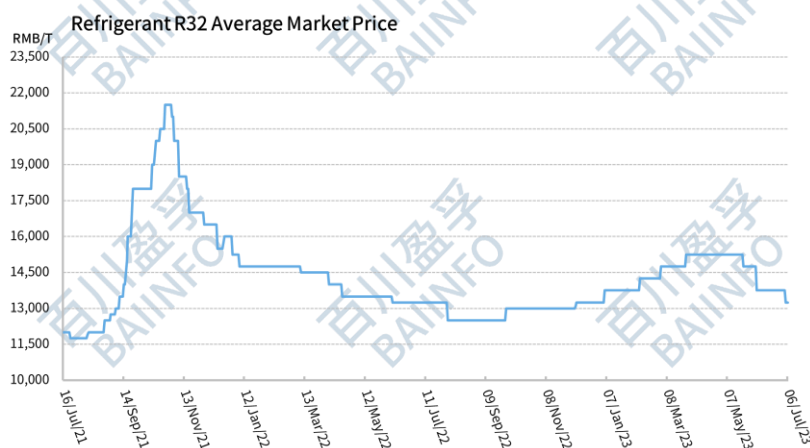
■ Forecast

Due to negative forces of cost and demand, domestic R32 market may run stable-and-lackluster in the short term.

■ Price Indicators

R32 Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| R32 | 13,250 | 13,375 | 13,750 | 13,750 | -3.64% | -11.67% | -0.00% |



R32 Regional Price (RMB/T, VAT included, in bulk)

| Region | Change | 6-Jul-23 | 29-Jun-23 |
|----------|--------|---------------|---------------|
| Zhejiang | ↓ 500 | 13,000-13,500 | 13,500-14,000 |
| Shandong | ↓ 500 | 13,000-13,500 | 13,500-14,000 |
| Jiangsu | ↓ 500 | 13,000-13,500 | 13,500-14,000 |

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R410a

Review & Analysis

Domestic R410a market focus saw downtrend. Bearish forces may dominate later market as oversupply may extend. Actual trade focus of R410a held steady amid cost downsides and weak demand. As of Jul. 6, mainstream deal prices of domestic R410a stood at RMB 18,000-18,500/T, VAT included in East China.

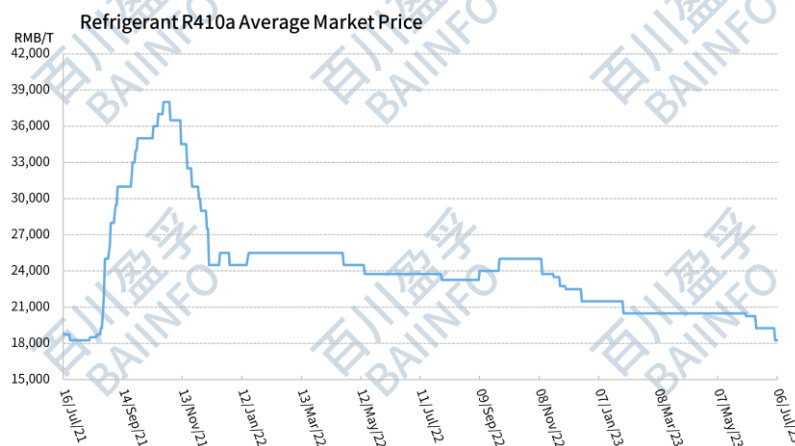
Forecast

Considering insufficient cost support and sluggish demand, domestic R410a prices are likely to run stable-and-lackluster in line with R125 later.

Price Indicators

R410a Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | 3-month Change (%) | YTD (%) |
|---------|----------|-----------|-----------|----------------|---------|--------------------|---------|
| R410a | 18,250 | 18,500 | 19,250 | 19,250 | -9.88% | -10.98% | -15.12% |



R410a Regional Price (RMB/T, VAT included, in bulk)

| Region | Change | 6-Jul-23 | 29-Jun-23 |
|----------|---------|---------------|---------------|
| Zhejiang | ↓ 1,000 | 18,000-18,500 | 19,000-19,500 |
| Shandong | ↓ 1,000 | 18,000-18,500 | 19,000-19,500 |
| Jiangsu | ↓ 1,000 | 18,000-18,500 | 19,000-19,500 |

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PVDF

Review & Analysis

Domestic PVDF market prices held steady amid stable production and watching mood. Main raw material R142b price focus stayed at low level. Cost support was insufficient. Bearish forces lied in oversupply and weak cost. As demand growth could not offset capacity growth, oversupply extended.

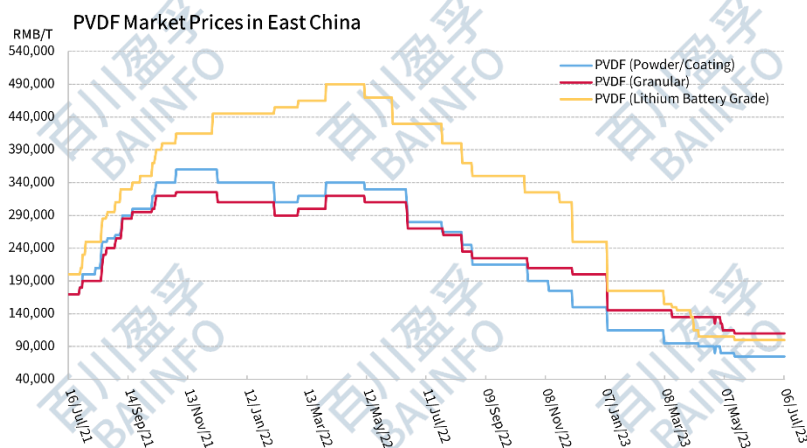
Forecast

As demand growth cannot digest capacity growth, domestic PVDF market prices are likely to drop weakly later.

Price Indicators

PVDF Avg. Market Price (RMB/T, VAT included, in bulk)

| Product | 6-Jul-23 | Week Avg. | 29-Jun-23 | Last Week Avg. | MoM (%) | YTD (%) |
|------------------------------|-----------------|-----------|-----------------|----------------|---------|---------|
| PVDF (Granular) | 100,000-120,000 | 110,000 | 100,000-120,000 | 110,000 | 0.00% | -45.00% |
| PVDF (Photovoltaic Grade) | 90,000-120,000 | 105,000 | 90,000-120,000 | 105,000 | 0.00% | -44.74% |
| PVDF (Powder/Coating) | 60,000-90,000 | 75,000 | 60,000-90,000 | 75,000 | 0.00% | -50.00% |
| PVDF (Lithium battery grade) | 80,000-120,000 | 100,000 | 80,000-120,000 | 100,000 | 0.00% | -60.00% |



PVDF Regional Price (RMB/T, VAT included, in bulk)

| Product | Change | 6-Jul-23 | 29-Jun-23 |
|--|--------|----------|-----------|
| PVDF (Powder/Coating) in East China | 0 | 75,000 | 75,000 |
| PVDF (Granular) in East China | 0 | 110,000 | 110,000 |
| PVDF (Lithium battery grade) in East China | 0 | 100,000 | 100,000 |

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